Lancaster Farming

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DEC 29 1986
Pennsylvania State

Pennsylvania RCMA Steering Committee at the informational meeting in Harrisburg this week are (L to R): Robert Pardoe, Grange; Harold Wolfe, PFU; Arden Tewksbury, PFU; Harold Ely, chairman; Karl Kroeck, PFA; Carl Brown, PFA and Donald Duncan, Grange.

RCMA Sets Team In Place To Sign Up Independent Shippers

BY EVERETT NEWSWANGER
Managing Editor

HARRISBURG — Wanted! Three thousand Pennsylvania milk producers who ship to independent milk plants. According to Harold Ely, chairman of the Regional Cooperative Marketing Agency (RCMA), these independent dairy shippers are wanted to join the growing number of dairymen across the state who have joined together in their cooperatives to set milk prices above the federal order base prices. "Farmers have the legal right to bargain for a higher price for their milk," Ely told the group gathered in the Farm Show building this week. And RCMA is in place from the 1970s to do the job.

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See Editorial Page A-10 entitled Join RCMA Now.

Butz Is Bullish On Ag At Mid-Atlantic No-Till Conference

BY JACK HUBLEY

YORK — Former USDA Secretary of Agriculture Earl Butz came to York on Dec. 17 and took the press to task for blowing the agricultural community's problems out of proportion.

Butz, who served as secretary from 1971 to 1976, was the keynote speaker at the Mid-Atlantic No-Till Conference held at the York Fairgrounds.

"This is not a dying industry," Butz said, pointing out that nationwide, agriculture's debt-to-asset ratio is 23 percent. Almost one-half of all American farmers have no debt, he said. And of the remaining half, about 50 percent have debts amounting to less than 20 percent of their assets.

Butz described the current restructuring of the agricultural economy as more of a natural economic evolution than a tragedy. Attempts by some politicians to "save the family farm" are based on emotionalism rather than sound economics. Staying competitive means that farmers need to embrace new technologies that cut their cost of production. And to do that, each operation must be spread over more acres, Butz said.

On a lighter note, the former ag secretary pointed out that there are actually two definitions of the family farm. The "economic family farm" is large enough to allow its owner to make a living, while the "political family farm" is small enough to enable its owner to "starve to death slowly."

Not all farmers will survive the current crisis, Butz said. "Perhaps they shouldn't make it, but that is not unique to American agriculture," he said, pointing out that the economic climate is weeding out the poorer managers in many areas of business and industry as well.

Butz was critical of government programs that don't allow those poorer managers to sift through the grates. "If you attempt to guarantee everybody against failure, then you remove the possibility of success beyond mediocrity," he said. "We need a safety net, but not at such a level that the government becomes the primary market."

Butz singled out the dairy industry as a prime example of how the "safety net" has caused problems. Forages feed the dairy industry, making milk, in essence, liquified grass, he said. Grass grows best in the northern states, so it follows that milk production should be centered there, but price supports have been high enough to put the southern states in the dairy business, he said.

Butz sees light at the end of the tunnel in the form of increased exports spurred by lower loan rates that will make American commodities more competitive on the world market. "It's begun to work," he said, pointing out that the physical volume, if not the dollar volume, of U.S. exports has increased in 1986 over the previous year.

Turning to the no-till conference, Butz said he was glad to hear the event's speakers emphasizing

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Editor's Note:

Due to the holiday, many markets were closed this week and others were not reported. All markets available to Lancaster Farming are included in our usual A Section market pages.

Pipestone Experts Address First Shepherds Symposium

BY BETH NESBIT
Indiana Co. Correspondent

SOMERSET — Presentations by a team of sheep husbandrymen from Minnesota's Pipestone Sheep Project highlighted the first annual Keystone Shepherds Symposium held here on Dec. 19 and 20.

One of the event's featured speakers was Ian Cunningham of Pipestone who, along with his wife Tammy, manages a commercial flock of 450 Finn Cross and Rambouillet ewes. Ian's topic concentrated on how he and his wife developed a successful sheep operation in Minnesota. Their annual lambing percentage is currently over 200 percent. Due to their many innovative husbandry practices, such as successfully raising triplets on the ewe, special ewe feeding programs and use of low-cost facilities, they have been widely recognized for their working knowledge of sheep production.

Health Problems

Addressing the area of sheep

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PVATA Past President Receives State Award

WILLOW STREET — James Kerr, immediate past president of the Pennsylvania Vocational Agricultural Technical Teachers Association, was honored earlier this month with the state vocational agricultural teachers' association award.

The award, presented to Kerr during the National Vocational Agricultural Teachers' Association convention, honors immediate past presidents of state associations for outstanding professional activities in conducting state association programs. The convention was held in Dallas, Texas Dec. 5 through 9.

To qualify for the award, state associations must meet a list of stringent requirements designed to encourage professional activities among state associations.

Kerr, a vocational horticulture teacher at Lancaster County Vocational Technical Schools, reviewed an extensive list of accomplishments achieved during his term as PVATA president (1985-86).

Among those accomplishments he listed were: a state newsletter distributed to all state association members, a state Program of Work developed and distributed to all members and committees; delegates attending the national convention in Atlanta; 10 percent of the members qualified for the NVATA "Thirty-Minute Club;" and two studies that improved the instructional program, teacher welfare or the professional organization

Kerr also worked with legislators to achieve legislation allowing students to substitute up to one academic credit per year for a vocational program. This allows vocational students to obtain

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James Kerr

Lancaster Co. Ag Agent Arnold Lueck Retires

BY SALLY BAIR
Lancaster Co. Correspondent

LANCASTER — Lancaster Countians paid tribute Sunday to Arnold G. Lueck, who is retiring from the Penn State Cooperative Extension Service after 25 years as the county's agronomy and horticulture specialist.

At a reception held at the Farm and Home Center, County Commissioner James Huber summed up the feelings of many when he said, "Because of Arnie, Lancaster County is a better place to live." Huber acknowledged the large part Lueck played in helping to maintain Lancaster County as the Garden Spot of the nation, and thanked him for his "active help to preserve our great agricultural heritage."

State Senator Noah Wenger, in presenting him with a resolution passed by the state Senate recognizing his work, said, "We honor him for his career of service to the community and to the county, and for a career which has touched many lives." He, too, praised Lueck for helping to keep Lancaster County "among the most progressive in the nation and in the world." He added, "You've done a good job. We're proud of you."

John Weidman, who served as master of ceremonies, said, "Arnie received modestly but gave generously." He thanked Lueck on

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Holiday Deadlines

The office of Lancaster Farming will be closed in observance of New Year's Day holiday.

Advertisers and news sources are asked to meet the following deadlines for the Jan. 3 issue. Mailbox Market and public sale ads, Monday at 5 p.m.; General news, Classified Section B and display ads, Tuesday noon; all other classified, 9 a.m. Thursday; and late-breaking news, noon Thursday.

Materials for Lancaster Farming's special Farm Show issue, to be published Jan. 10, should also be received at the Lancaster Farming office as soon as possible News deadline is Monday, Jan 6

Livestock market and auction news

Lancaster Market

Monday, Dec. 22
Report Supplied by USDA

Cattle	Calves	Hogs	Sheep	Goats
Monday's Receipts				
913	150	496	196	423
Monday's Auction				
986	137	442	235	502
Last Monday's Auction				
1039	92	505	1391	744
Last Year's Auction				
662	147	462	309	337

CATTLE: Compared to last Thursday slaughter steers firm to mostly 1.00 higher; slaughter heifers weak to 50 lower; cows steady; bullocks 1.00-2.00 higher; bulls firm to 1.00 higher. Supply included 57% steers, 12% heifers, 25% cows, with the balance bulls.

SLAUGHTER STEERS: Few head Choice and Prime 2-3 1150-1375 lb. 65.00-67.25, five head 68.00-70.00; Choice 2-3 few 4 1075-1450 lb. 60.75-63.75, few 63.75-64.50; high Good and low Choice 2-3 975-1325 lb. 58.00-61.00; Good 2-3 950-1200 lb. 54.00-58.00; Good and Choice 1250-1550 lb. Holsteins 46.75-51.25, few Choice 52.25-54.75.

SLAUGHTER HEIFERS: Choice 2-3 940-1250 lb. 54.00-58.50, couple Choice 2 58.50-59.25; Good 2-3 900-1125 lb. 50.50-54.50; Standard and Good 1100-1500 lb. Holstein heiferettes 43.00-48.50.

COWS: Breaking Utility and Commercial 2-4 36.00-38.50, few 38.50-40.25; Cutter and Boning Utility 1-3 34.25-37.75, few 38.00-38.50; Canner and low Cutter 31.25-34.00.

BULLOCKS: Few Choice 2-3 1100-1350 lb. 52.50-55.25; Good 1-2 1000-1300 lb. 48.25-50.00.

BULLS: Yield grade 1 1500-2060 lb. 49.50-52.25; yield grade 2 1100-1550 lb. 44.50-49.50.

VEAL CALVES: Vealers and slaughter calves steady. Demand good for Holstein bulls to return to farm.

VEALERS: Choice 160-350 lb. 80.00-90.00, few high Choice 90.00-100.00; high Good and low Choice 160-350 lb. 65.00-80.00, 110-160 lb. 45.00-60.00, 70-110 lb. 35.00-45.00 few 45.00-48.00.

SLAUGHTER CALVES: Good and Choice 275-450 lb. 45.00-55.00, few Choice 55.00-60.00.

RETURNED TO FARM: Bulk 95-125 lb. Holstein bulls 75.00-100.00.

HOGS: Compared to last Wednesday barrows and gilts 2.00-3.00 lower; sows 2.00-4.00 higher.

BARROWS AND GILTS: US 1-2 200-245 lb. 52.00-52.75; US 1 205-240 lb. 54.50-56.00; US 1-3 200-245 lb. 51.00-51.75; US 2-4 220-250 lb. 49.50-50.50, 255-265 lb. 48.00-50.00.

SOWS: US 1-2 300-500 lb. 39.00-44.00; US 1-3 500-600 lb. 43.00-45.00.

SHEEP: Wooled lambs steady; slaughter ewes 5.00 higher.

WOOLED LAMBS: Few Choice and Prime 85-110 lb. 68.00-72.00; Good to low Choice 90-115 62.00-68.00, 60-90 lb. 65.00-80.00.

NEW CROP LAMBS: Few Choice 40-50 lb. 140.00-163.00.

SLAUGHTER EWES: Utility and Good 25.00-40.00.

GOATS: All goats sold by the head. Large mature 45.00-65.00, few 65.00-70.00; Medium 35.00-50.00. Choice kids 35.00-50.00, Good 25.00-35.00, few Small and Plain 15.00-25.00.

Some markets not covered by PDA or USDA due to holiday

Vintage Livestock Auction

Paradise, Pa.
Tuesday, December 23, 1986
Report Supplied by USDA

	Cattle	Calves	Sheep	Goats
Today	1017	927	4	0
Last Tues.	996	842	6	2
Last Year	465	499	0	0

CATTLE 1017...USDA...SUPPLY INCLUDED 42% SLAUGHTER STEERS AND 55% Cows. Compared with Monday's market: Slaughter steers $1 to $2, some sales $3 lower; Heifers not tested; Cows steady, instances $1 lower; Bulls not tested. Few Choice & Prime 2-3 slaughter steers 1150-1425 lbs. 62.50-64.50, 15 head 65.00-68, Choice 2-3 few 4's 1100-1425 lbs. 59.00-62, few 62.50, High Good & Low Choice 2-3 57.50-60, Good 2-3 53.50-57, few Standard & Good 1135-1275 lbs. 42.00-47.00. Breaking Utility and Commercial slaughter cows 2-4 35.75-38, few 40.00, Commercial 3-4 34.00-36, Cutter & Boning Utility 33.00-37, several 38.00, Canner & Low Cutter 30.50-33.50. Couple Choice No. 2 slaughter bullocks 1000-1100 lbs. 50.00. Few Yield Grade No. 2, 1200-1650 lbs. slaughter bulls 43.00-46.00.

CALVES 927...SUPPLY INCLUDED 601 IN GRADED SALES OF WHICH 74% SOLD TO RETURN TO FARM...Vealers steady. Few Choice 175-280 lbs. 78.00-98, High Good and Low Choice 110-200 lbs. 48.00-60, 80-110 lbs. 35.00-43, few Standard 60-80 lbs. 25.00-32.00. Farm Calves: Holstein Bulls 110-125 lbs. 96.00-99, 100-105 lbs. 100.00-102, 90-95 lbs. 96.00, Small Frame 100-115 lbs. 76.00-81, 90-95 lbs. 49.00; Holstein Heifers 90-105 lbs. 48.00-50.00.

SHEEP 4...No market test.

GOATS 0...No market test.

Lancaster County Weekly

Friday, Dec. 24
Report Supplied by PDA

	Cattle	Calves
This Week	2100	1070
Last Week	3630	1604
Last Year	2210	1342

CATTLE: Slaughter steers opened firm to 1.00 higher, this advance lost Tuesday with closing sales 1.00-2.00 lower; slaughter heifers steady to 1.00 lower; cows steady, instances 1.00 lower; bullocks 1.00-2.00 higher; bulls firm to 1.00 higher. Supply included 47% slaughter steers, 7% slaughter heifers, 38% cows, 3% bulls, with the balance feeders.

SLAUGHTER STEERS: Choice and Prime 2-3 1150-1425 lb. 62.50-64.50, 20 head 65.00-68.00; Choice 2-3 few 4 1075-1450 lb. 59.00-62.50, several head early 62.50-64.00; high Good and low Choice 2-3 975-1325 lb. 56.50-61.00; Good 2-3 950-1200 lb. 53.50-57.50; Good and Choice 1250-1550 lb. Holsteins 46.75-51.25, few Choice 52.25-54.75, Standard and low Good 1135-1275 lb. 42.00-46.50.

SLAUGHTER HEIFERS: Choice 2-3 940-1250 lb. 54.00-58.50, couple Choice 2 58.50-59.25; Good 2-3 900-1125 lb. 50.50-54.50; Standard and Good 1100-1500 lb. Holstein heiferettes 43.00-48.50.

COWS: Breaking Utility and Commercial 2-4 35.75-38.50, few 38.50-40.25; Commercial 3-4 34.00-36.00; Cutter and Boning Utility 1-3 33.00-37.50, several 37.50-38.50; Canner and low Cutter 30.50-34.00.

BULLOCKS: Few Choice 2-3 1050-1350 lb. 50.00-55.25; Good 1-2 1000-1300 lb. 48.25-50.00.

BULLS: Yield grade 1 1500-2060 lb. 49.50-52.25; yield grade 2 1100-1550 lb. 44.00-49.50, few 43.00-44.00.

VEAL CALVES: Vealers and slaughter calves steady. Demand good for Holstein bulls to return to farm.

VEALERS: Choice 160-350 lb. 78.00-90.00, few high Choice 90.00-100.00; high Good and low Choice 160-350 lb. 65.00-80.00, 110-160 lb. 45.00-60.00, 70-110 lb. 35.00-43.00 few 43.00-48.00; few Standard 60-80 lb. 25.00-32.00.

SLAUGHTER CALVES: Good and Choice 275-450 lb. 45.00-55.00, few Choice 55.00-60.00.

RETURNED TO FARM: Bulk 90-125 lb. Holstein bulls 95.00-102.00; several small frame 100-120 lb. 75.00-85.00, with few 90-95 lb. 49.00. Few head 90-105 lb. Holstein heifers 48.00-50.00.

Peoria Cattle

Thursday, Dec. 24, 1986
Report Supplied by USDA

Compares with last weeks close slaughter steers and heifers closed steady to weak, instances .50 lower. Slaughter heifers closed generally steady to .50 higher. Cows closed mostly steady. Bulls steady to weak bulk of supply Monday with Wednesday's pre-holiday supply light. Supply mainly good to low choice slaughter steers and heifers with 25% cows most cattle carrying moderate amounts of mud. Estimated receipts this week about 1100 as compared with actual receipts of 2349 a week ago and 1072 a year ago.

SLAUGHTER STEERS: Choice 2-4, mostly 3 1050-1300 lbs. 58.00-60.00, couple loads 60.25-60.50; 975-1050 lbs. 57.00-58.50. Mixed good and choice 2-3 1000-1200 lbs. 55.00-57.50. Good 2-3 900-1100 lbs. 52.00-56.00. Couple packages mixed good and choice 2-3 holsteins 1380-1390 lbs. 51.00-52.00.

SLAUGHTER HEIFERS: Choice 2-4, mostly 3 950-1200 lbs. 57.00-58.50, load 1265 lbs. 59.50, 875-950 lbs. 56.00-57.50. Mixed good and choice 2-3 900-1100 lbs. 54.50-56.00. Good 2-3 800-1000 lbs. 51.00-55.00.

COWS: Breaking utility and commercial 2-3 32.00-35.00. Cutter and boning utility 1-2 30.00-34.00, few 34.00-35.00. Canner and low cutter 28.00-32.00, few thin 26.00-28.00.

BULLS: YG 1-2 1500-2035 lbs. 37.00-43.00; 1100-1500 lbs. 36.00-38.00.

Oklahoma Cattle

Wednesday, Dec. 24
Report supplied by USDA

Weekly Cattle Summary: Compared to Last Week-- Feeder steers and heifers steady to 1.00 lower. Christmas Week; very limited numbers offered. Some feeder buyers reluctant to participate as they foresaw difficulty in filling full loads. Slaughter cows fully 1.00 higher. Slaughter bulls fully steady. Cow and bull demand good.

Receipts this week 1514 head; last week 17,674; last year 1584.

Feeder steers and heifers made up 76% of run; Cows and bulls 24%. Due to a very light run the following quotes do not represent the full range of the grade within each weight breakdown.

Medium & Large Frame 1: Feeder Steers: 235# lot 80.50; 375-500# 66.25-71.40; 540-600# 61.75-65.10; 600-700# 61.00-63.80; 785# Load 61.50; 825-900# 58.00-59.40. Feeder Heifers: 350-500# 58.25-61.70; 500-600# 57.20-61.70; 600-700# 57.30-59.80.

SLAUGHTER COWS: Breaking-Utility 3-4 34.25-37.70; Boning-Utility 1-2 33.50-36.50; Cutter 1-2 33.00-35.60; Canner & Low Dressing Cutter 28.00-32.50.

SLAUGHTER BULLS: Y.G. 1 1050-1450# 41.25-45.00; 1500-2000# 45.70-50.50.

Weekly Summary

Harrisburg, PA
Friday, Dec. 26
Report supplied by PDA
8 Livestock Markets

Headages all smaller due to Wednesday and Thursday sales not reported bacause of Christmas holdiay.

CATTLE: 3275. Compared with 5976 head last week and 2903 head a year ago. Sl. steers and heifers steady to 2.00 higher; sl. cows steady to strong; sl. bullocks steady to 1.00 higher; bulls uneven; few High Choice & Prime No. 2-4 sl. steers 62.50-67.25; Choice 59.00-63.75; Good 53.00-58.00; Standard 45.00-53.00; Choice sl heifers 53.00-59.50; Good 50.00-54.50; Standard 43.00-48.00; Breaking Utility & Commercial sl. cows 36.50-39.00, few to 40.50; Cutter & Boning Utility 34.00-38.00; Canner & Low Cutter 30.00-34.00; shells down to 22.00; few Choice sl. bullocks 52.50-55.25; few Good 48.25-50.00; YG No. 1, 1000-1950 lb. sl. bulls 42.00-49.50, few 52.25; YG No. 2, 900-1450 lb. 38.00-46.00.

FEEDER CATTLE: Med. & Large Frame No. 1, 300-600 lb. feeder steers 48.00-59.00; Med. & Large Frame No. 1, 300-800 lb. heifers 40.50-55.00; Med. & Large Frame No. 1, 300-700 lb. bulls 44.00-57.00.

CALVES: 2263. Compared with 3497 head last week and 2522 head a year ago. Vealers mostly steady to 3.00 higher; few Prime vealers 90.00-100.00; Choice 78.00-99.00; Good 64.00-80.00; few Standard & Good 110-130 lb. 55.00-65.00; 90-110 lb. 45.00-55.00; 65-85 lb. 38.00-45.00; Utility 50-100 lb. 20.00-38.00.

FARM CALVES: Hol. bulls 90-135 lb. 58.00-131.00, mostly 80.00-105.00; few hol. heifers 90-130 lb.

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LANCASTER STOCK YARDS
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AUCTIONS

MONDAY
9:00 A.M. —Slaughter Bulls, Heifers, Steers, Cows
10:00 A.M. —Goats, Veal Calves, Lambs
12 Noon —Slaughter Hogs

WEDNESDAY
8:00 A.M. —Slaughter Hogs
10:00 A.M —Slaughter Bulls, Heifers, Steers, Cows
11:00 A.M —Veal Calves, Lambs

FRIDAY
11:00 A.M —Stocker and Feeder Cattle

SATURDAY
8:00 A.M —Slaughter Hogs

LANCASTER STOCKYARDS, INC.
Holiday Schedule
No Auctions Dec. 31 & Jan. 2
1147 Lititz Pike Lancaster, Pennsylvania 17601
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HAY, STRAW & CORN
— SALE —
Every Friday at 12 Noon

GREEN DRAGON MARKET & AUCTION
RD No. 4 Ephrata, Pa. 717-738-1117
1 mile North of Ephrata on N. State St.
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VINTAGE SALES STABLES, INC.
Sale Every Tuesday
10:30 A.M.
Slaughter Cattle Auction - Steers, Bulls, Heifers, Cows, Feeder Cattle.
Get calves in early. We start to grade and weigh at 2:00.
Sale Every Saturday
9 A.M.
Hog Sale
Business Phone
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Home Phone
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L. Robert Frame, Manager
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10 miles East of Lancaster on Rt. 30

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Specializing In Stockers & Feeders
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LEBANON VALLEY LIVESTOCK MARKET, INC.
1 mile East of Fredericksburg along Rt. 22
PHONE
JONESTOWN
865-2881
Flea Market Auction every Tuesday at 12:30. Tools, Eggs, Produce, etc.
Buyers & Sellers Welcome

HOG MARKETS

New Holland Hogs

New Holland Sales Stables
New Holland, PA
Monday, Dec. 22, 1986
Report Supplied by Auction

1,063 head. $2-$3 lower.
Wholesale: 50.50-53.50.
Retail: 55.00-56.00.
Sows: 40.00-45.00.
Boars: 34.00-43.00.

Vintage Hogs

Paradise, PA
Saturday, Dec. 20, 1986
Report supplied by Auction

1's and 2's, 210-260 lbs., 51.50-54.00; Sows, 310-565 lbs., 40.00-42.00; Boars, 215-240 lbs., 38.00.

New Holland Livestock

New Holland, Pa.
Monday, Dec. 22

	Hog Auction
Today	1063
Last Monday	979
Last Year	1145

Indianapolis Hogs

Wednesday, Dec. 24, 1986

300. Barrows & gilts active, 50-1.00 higher in very light pre-holiday test. Supply US 1-3, 230-265 lbs.

US 1-3 few 230-250 lbs. 50.00-50.50; US 2-3 265 lbs. 48.50.

SOWS & BOARS: Absent.

St. Louis Hogs

Wednesday, Dec. 24

2500 - Trading fairly active. Barrows and gilts .50-1.00 higher, most advance on weights over 260 lb.

US 1-3 200-250 lbs. 49.50-50.00, mostly 50.00; 250-260 lbs. 49.00-49.50.

US 2-3 250-270 lbs. 48.00-49.00; 270-290 lbs. 46.50-47.00.

SOWS: Scarce, under 500 lbs. steady; over 500 lbs. 1.00 higher.

US 1-2 300-500 lbs. 40.00; US 1-3 over 500 lbs. 41.00-42.00; package over 600 lbs. 45.00.

BOARS: over 300 lbs. 36.50; under 300 lbs. 34.00.

Peoria Hogs

Wednesday, Dec. 24

300 - Barrows & gilts active, 50-1.00 higher in very light pre-holiday test. Supply US 1-3, 230-265 lbs.

US 1-3 few 230-250 lbs. 50.00-50.50; US 2-3 265 lbs. 48.50.

SOWS & BOARS: Absent.

Farmers Livestock Auction

Duncansville, Pa.
Monday, Dec. 22, 1986
Report supplied by auction

CATTLE 248. STEERS: H. Choice & Prime 58.50-61.50; Choice 56.00-58.75; Good 51.00-55.75; Standard 37.50-45.25.

HEIFERS: Choice 54.00-56.75; Good 45.00-53.50.

COWS: Utility & Commercial 38.50-41.25; Cutters 35.00-38.25; Canner & Low Cutter 28.50-36.75.

BULLOCKS: Good & Choice 46.50-51.25.

BULLS: Yield Grade No. 1 41.00-46.75.

FEEDER CATTLE: Steers Good 55.00-61.00, Standard 35.00-49.00; Bulls Good 45.00-52.50, Standard 25.00-44.00; Heifers Good 44.00-51.50, Standard 30.00-43.50.

CALVES 392. Prime None; Choice 67.50-82.50; Good 52.50-64.00; Standard & Good 45.00-56.50; 90-110 lbs. 48.50-64.00; 65-90 lbs. 35.00-53.50; Holstein Bulls 90-130 lbs. 72.50-108.00; Holstein Heifers 90-1300 lbs. 55.00-72.00.

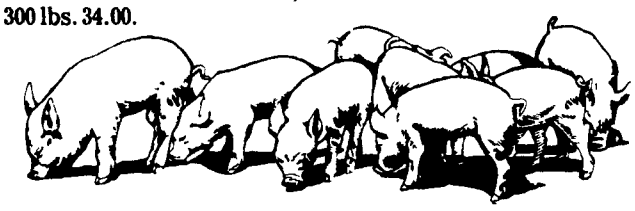
HOGS 144. US No. 1-2 210-250 lbs. 52.25-54.25; US No. 1-3 210-250 lbs. 51.75-53.00.

SOWS: US No. 1-3 41.00-44.25.

FEEDER PIGS 44. US No. 1-3 20-35 lbs. 28.00-37.50 per head; No. 1-3 35-50 lbs. 34.00-42.50.

SHEEP 18. Choice 90-130 lbs. 60.00-64.50; Good 75-90 lbs. 58.00-62.00. Sl. Ewes 17.50-24.50. 3 Goats 31.00-48.00.

8 Loads Hay 78.00-121.00 per ton.
1 Load Straw 58.00 per ton.



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MONDAYS OR WEDNESDAYS

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We are buying feeder pigs
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— HOLIDAY SCHEDULE -
NEW YEAR - Closed Dec. 31, Jan. 1, 2
Open For Business As Usual
Saturdays, Dec. 27 & Jan. 3

Walter M. Dunlap and Sons
Lancaster Stockyards
Tel. (717) 397-5194

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock

	CATTLE	CALVES	HOGS	SHEEP
Tuesday 12/23/86				
Week To Date (Est.)	264,000	26,000	578,000	42,000
Same Pd. Lt. Wk. (Est.)	252,000	25,000	572,000	45,000
Same Pd. Lt. Yr. (Act)	203,000	28,000	477,000	44,000

GRAIN, CATTLE AND HOG FUTURES MARKETS

(Daily closing bids: Friday, Dec. 19 through Wednesday, Dec. 24)

CORN

	FRI.	MON.	TUES.	WED.	THURS.
DEC.	151¼				
MAR. 87	162¼	163¾	162¼	163	
MAY	169½	171	169	170¼	
JULY	173½	175	173½	174½	
SEPT.	177¼	179	177½	179	
DEC.	180¼	182¾	181¼	182½	

SOYBEANS

	FRI.	MON.	TUES.	WED.	THURS.
JAN.	486¾	490¼	488¼	490¾	
MAR. 87	488½	492¼	491	493	
MAY	491	495	492¾	495½	
JUL.	493	496¼	495	497¾	
AUG.	492	495¾	494½	497	
SEP.	485	487¾	488¼	490¼	
NOV.	485	487¾	488¼	490¼	

SOYBEAN MEAL

	FRI.	MON.	TUES.	WED.	THURS.
DEC.	142.80				
JAN. 87	142.20	142.30	141.70	141.90	
MAR.	141.80	142.00	141.70	142.10	
MAY	142.30	142.80	142.20	142.60	
JULY	142.60	143.00	142.80	143.20	
AUG.	142.60	143.20	143.10	143.40	
SEPT.	143.00	143.70	143.90	143.80	

WHEAT

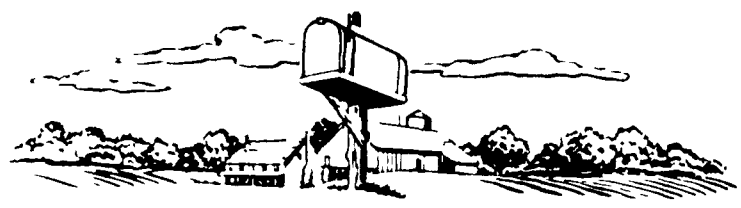
	FRI.	MON.	TUES.	WED.	THURS.
MAR. 87	261¾	277¼	275¾	275¾	
MAY	272¾	264¼	261¼	260½	
JULY	259¾	246¾	243¾	243¾	
SEPT.	243¾	248	245½	245¼	

CHICAGO CATTLE

	FRI.	MON.	TUES.	WED.	THURS.
DEC.	59.95				
FEB.	56.22	55.57	56.65	56.75	
APR.	56.17	55.60	56.45	56.52	
JUN.	55.52	54.95	55.55	55.57	
AUG.	54.85	54.40	54.87	54.90	
OCT.	53.90	53.70	53.95	53.90	

CHICAGO HOGS

	FRI.	MON.	TUES.	WED.	THURS.
DEC.	52.30				
FEB. 87	49.75	48.60	48.95	48.77	
APR.	45.15	43.92	44.22	44.27	
JUN.	46.85	46.15	46.82	46.50	
JUL.	46.82	46.15	46.75	46.40	
AUG.	44.07	43.32	43.65	43.50	
OCT.	41.05	40.20	40.87	40.50	



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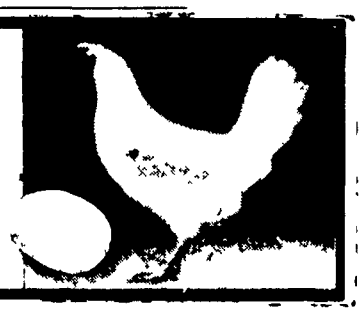
POULTRY MARKETS



Delmarva Poultry

Wednesday, Dec. 24, 1986

Market Comment: Buying activity was limited due in part to holiday closings and reduced operating schedules. However, advanced interest was improved. Offerings were usually sufficient to handle current inquiry. LTL asking prices remained unchanged at 40-48 cents. Live supplies were fully adequate for the light and curtailed slaughter schedules. The undertone was steady.

Estimated slaughter of broiler fryers in Delmarva:

Estimated 12/24 848,000; Actual 12/17 1,978,000.

Actual 12/22 1,969,000.

Average Weights 12/22 4.54, 12/15 4.59.

Philadelphia Eggs

Wednesday, Dec. 24, 1986
Report Supplied by USDA

Market Comment: Prices are unchanged. Trade sentiment was mostly stewady with an underlying cautiousness noted. Cartoned egg demand was fairly good as dealers filled holiday needs. Supplies on both loose and graded product was adequate to fully adequate.

Prices to retailers: sales to volume buyers, consumer grades white eggs in cartons delivered store door:

A Extra Large .74-.76; A Large .72-.74; A Medium .62-.63.

New York Multiple Drop Broiler Report

Wednesday, Dec. 24, 1986
Report Supplied by USDA

Current broiler-fryer negotiated prices for immediate delivery includes mostly multiple drop shipments to New York City from Delmarva.

Range: U.S. Grade A 39-48.

Weighted AVG.; U.S. Grade A 45.58.

Premium (X) Boxes 9,585

(X) Includes special services, selected competitive brands, etc.

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Robert G. Campbell, Publisher

Everett R. Newswanger, Managing Editor

Jack Hubley, Associate Editor

Suzanne Keene, Home Editor

Martha Gehringer, Dairy Editor

NEWS CORRESPONDENTS

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Columbia 717-285-4926

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Phone 203-966-1746

Eastern PA and NJ Poultry

Wednesday, Dec. 24, 1986
Report Supplied by USDA

Market Comment: Prices were unchanged to slightly lower. Buying interest was fair although most processing plants had some seasonal down-time. Producer offerings were adequate in most instances, occasionally fully adequate in others. Some heavy type sold at 25 cents picked up at the farm.

Prices Paid at Farm:

Light Type Hens: 7-13, mostly 12; F.O.B. Plant 12-15, mostly 13-14.

Heinsey's Poultry Report

Root's, East Petersburg
Tuesday, Dec. 23, 1986
Report supplied by auction

Muscovy Ducks, Drakes: range 1.04-1.32 per lb.

Muscovy Ducks, Hens: range .80-.92 per lb.

Pekin Ducks: range .38-.44 per lb.

Pullets: 5-8 lbs. range .40-.52 per lb.

Red Fowl: 4:4½ lbs. range .25-.34 per lb.

Red Fowl: 5-6 lbs. range .40-.54 per lb.

Crossbred Fowl: 5-9 lbs. range .24-.52 per lb.

Crossbred Roosters: 4-6 lbs. range .40-.82 per lb.

Crossbred Roosters: 7-11 lbs. range .40-.58 per lb.

Guinea Fowl: range 1.10-1.55 per lb.

Banty Roosters: range 2.00-4.75 ea.

Banty Hens: range .50-1.00 ea.

Leghorn Hens: range .24-.31 per lb.

Geese: 8-14 lbs. range .15-.34 per lb.

Capons: 11-13 lbs. range .74-.78 per lb.

Pigeons: range 1.50-2.00 ea.

White Pigeons: range 2.85-3.50 ea.

Silkies: range 2.50-5.50 ea.

Doves: range 2.75-4.00 ea.

Chukars: range 4.00-4.25 ea.

Rabbits: 4-6 lbs. range 1.10-1.52 per lb.

Rabbits: 7-11 lbs. range .90-1.20 per lb.

Bunnies: 1.00-2.50 ea.

Guinea Pigs: range 1.00-4.25 ea.

Goats: range 51.00-56.00 ea.

Kid Goats: range 20.00-42.00 ea.

Total Number of Coops: 482.

Weekly New York Egg Market Northeast Quotes

From Friday Dec. 19 to Wednesday, Dec. 24

	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	.84	.84	.84	.84	
Ex. Large	.81	.81	.81	.81	
Large	.78	.78	.78	.78	
Medium	.68	.68	.68	.68	
Pullets	.60	.60	.60	.60	
Off Grade	.68	.68	.68	.68	
BROWN					
Ex. Large	.97	.97	.97	.97	
Large	.91	.91	.91	.91	
Mediums	.75	.75	.75	.75	
OFF GRADE					
Undergrades	.40	.40	.39	.39	
Checks	.38	.38	.37	.37	

Breaking Stocks: Friday 42-44 lbs. 37.00-39.00; 48-50 lbs. 45.00-47.00; 50 lbs. up 47.00-48.00; Tuesday 42-44 lbs. 36.00-38.00; 48-50 lbs. 44.00-46.00; 50 lbs. up 46.00-47.00.

N.E. Weekly Shell Egg Report

Tuesday, Dec. 23
Report Supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
N. HAMP.	.91-.95	.87-.91	.80-.84	.53-.57
Mostly	.93-.94	.89-.90	.82-.83	.55-.56
R.I.	.87-.90	.83-.86	.76-.79	.49-.52
Mostly	.87	.83	.76	.49
VERMONT	.97-1.04	.95-.99	.79-.92	
Mostly	1.00	.98	.90	
MAINE	.98-1.00	.94-.96	.87-.89	.60-.62

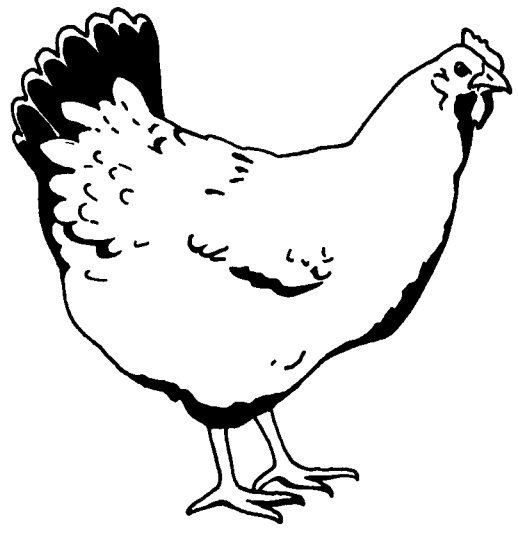
Northeast Chicken Parts

Wednesday, December 24, 1986

Comment: Trading was very light. Offerings in total were much reduced as plant cut-backs and closures has lightened the supply. Cutlets and breasts were adequate at current price levels and some additional product was still available on these items. Leg quarters have tightened up as retail feature activity was accounted for large volumes being booked, starting with Friday deliveries. Legs were adequate but in better balance overall due to leg quarters. Wings were in good to close balance and continued to clear quite satisfactorily.

Breasts, skinned boneless- 1.70.
Rib-on-breasts .75-.76.
Line one breasts .70.
Legs .30-.31.
Leg quarters .21-.22.
Wings .51-.52.
Backs and necks .10-.12.
Livers .10-.15.
Gizzards (hearts) .35-.40.

Today's negotiated sales as of 11:30 a.m. prices paid per pound on ice packed part delivered in pool trucklot and trucklot quantities.



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20,000 lbs. Of Milk - 305 Day Lactation

Test #	Lbs. of Milk	% Fat	Lbs. Of Hay	Lbs. Of Corn Silage	Lbs. of Ear Corn	Lbs. of #534
1	90	3.6	12	40	20	12.5
2	88	3.6	12	40	19	12.0
3	82	3.7	12	40	18	11.5
4	74	3.8	12	40	17	9.0
5	68	3.8	12	40	15	8.0
6	63	3.9	12	40	14	7.0
7	58	4.0	12	40	13	6.0
8	53	4.0	12	50	11	5.0
9	46	4.0	12	50	8	4.0
10	38	4.0	12	50	5	2.5
TOTAL	20,130 lbs.	3.8%	3,660 lbs.	13,115 lbs.	4,270 lbs.	2,364 lbs.
$/Unit	$11.73 Cwt		$100/Ton	$22/Ton	$62/Ton	$256/Ton
Total $	$2,361		$183	$144	$132	$303

INCOME OVER FORAGE & FEED COST $1,599

PENNFIELD HIGH-YIELD FEEDS

The High-Yield Line Feeds are formulated to provide the high producing cow with a maximum nutrient dense dairy ration. These high energy feeds can help your cows reach their maximum productive and reproductive potential by supplying much needed energy during stressful performance periods. High-Yield feeds contain the following special ingredients:

Fat is added to increase the density and energy of these feeds. One pound of fat yields 2.3 mega calories of energy as compared with shell corn which has .80 mega calories per pound. Fat is mostly non-rumen degradable and is, therefore, a source of by-pass energy.

Buffers are added to help prevent milk fat depression, reduced milk production, digestive disturbances, or other symptoms of mild or chronic acidosis.

By Pass Proteins are formulated into these feeds in order to insure adequate intake of non-rumen degradable protein. This allows for better protein utilization and improved protein efficiency.

Zinpro® is a zinc methionine compound which aids in lowering somatic cell count, and is a nutritional aid when preventing and treating lameness in cows.

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#515 16% Textured Dairy	#519 20% Dairy Pellet	#526 Pellet 26% Hi-Moist. Corn Conc.	#537 Meal 37% Var-Pro (All Natural)	#538 Meal 38% Fixed Formula (All Natural)	#534 Conc. 34% CP - 6¾% Fat (All Natural)
$138.45 Net/Ton	**$152.88** Net/Ton	**$205.33** Net/Ton	**$202.80** Net/Ton	**$221.72** Net/Ton	**$255.65** Net/Ton

Includes 8 ton volume discount and cash discount of 2½% due 15th following month.

Prices effective Dec 22, 1986 and subject to change with grain markets)

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HAY MARKETS

Pa. Grain

Monday, Dec. 22
Report supplied by PDA

COMPARED WITH LAST MONDAY'S MARKET FOR SOUTHEASTERN, CENTRAL AND SOUTH CENTRAL PA.: Corn steady to .05 lower; Wheat and Soybeans unevenly steady; Barley steady; Oats steady to .20 higher; Ear Corn steady to strong.

Southeastern Pennsylvania

Corn No. 2-y range 1.65-1.95, average 1.80; @Wheat No. 2 range 2.35-3.23, average 2.79, *Contract for Harvest 2.35-2.59; Barley No. 3 range 1.30-1.50, few reported 1.65, average 1.44, *Contract for Harvest 1.30; Oats No. 2 range 1.15-1.50, few reported 1.70; average 1.39; Soybeans No. 1 range 4.60-4.77; average 4.69; *Gr. Sorghum #2 range 1.60, average 1.60; #New Ear Corn range 40.00-55.00, average 47.64.

Central Pennsylvania

Corn No. 2-y range 1.65-1.90, average 1.77; @Wheat No. 2 range 2.30-2.70, average 2.52; Barley No. 3 range 1.25-1.30, average 1.29; Oats No. 2 range 1.00-1.35, average 1.16; Soybeans No. 1 range 4.40-4.75, average 4.57; *Gr. Sorghum #2 range 1.50, average 1.50; *+Buckwheat range 8.50-9.50, average 9.00; *Old Ear Corn range 43.00-55.00, average 48.00; #New Ear Corn range 36.00-45.00, average 39.33.

South Central Pennsylvania

Corn No. 2-y range 1.70-1.95, average 1.82; @Wheat No. 2 2.30-2.60, average 2.44; Barley No. 3 range 1.20-1.60, average 1.39; Oats No. 2 1.20-1.35, few reported 1.50, average 1.30; #New Ear Corn range 45.00-50.00, average 51.71.

Western Pennsylvania

Corn No. 2-y range 1.45-1.95, M 1.60-1.80, average 1.72; @Wheat No. 2 range 2.20-2.40, average 2.30; Oats No. 2 range .90-1.55, average 1.23; *Old Ear Corn range 50.00-55.00, average 52.50; #New Ear Corn range 35.00-49.00, average 42.00.

Southeastern, Central & South Central Summary

Corn No. 2-y range 1.65-1.95, average 1.79; @Wheat No. 2-y range 2.30-3.02, average 2.63; Barley No. 3 range 1.25-1.50, average 1.38; Oats No. 2 range 1.00-1.50, average 1.27; Soybeans No. 1 range 4.40-4.77, average 4.64; #New Ear Corn range 40.60-55.00, average 46.75.

Month Ago

Corn No. 2-y range 1.78; @Wheat No. 2-y range 2.58; Barley No. 3 range 1.35; Oats No. 2 range 1.13; Soybeans No. 1 range 4.65; #New Ear Corn range 43.60.

Year Ago

Corn No. 2-y average 2.49; @Wheat No. 2-y average 3.05; Barley No. 3 average 1.62; Oats No. 2 average 1.11; Soybeans No. 1 average 4.92; #New Ear Corn average 57.31.

Regional Hay

Eastern, Pa.
On-Farm Sales

HAY & STRAW MARKET FOR EASTERN PA. (All Hay No. 2 and better prices paid by dealers at the farm and per ton.) - Hay and Straw steady.

Alfalfa 90.00-110.00; Mixed Hay 75.00-100.00; Timothy 75.00-100.00; Straw 65.00-90.00; Mulch 30.00-40.00.

Lancaster Co. Auctions

SUMMARY OF LANCASTER CO. HAY AUCTIONS For Week Ending 12/19. PRICES PER TON: LOADS: 306 Hay, 108 Straw, and 19 Ear Corn.

Alfalfa 92.00-150.00; Mixed Hay 80.00-133.00; Timothy 91.00-130.00; Straw 90.00-139.00; Ear Corn 63.00-80.00.

Central Pa. Hay Auctions

SUMMARY OF CENTRAL PA. HAY AUCTIONS For Week Ending 12/19. PRICES PER TON: LOADS: 122 Hay, 22 Straw, and 8 Ear Corn.

Alfalfa 90.00-153.00; Mixed Hay 65.00-125.00; Timothy 75.00-125.00; Straw 69.00-105.00; Ear Corn 50.00-71.00.

King's Hay

Kirkwood, Pa.
Tuesday, Dec. 23, 1986
Report supplied by Auction

28 loads.

Alfalfa, 112.00-152.00; Alfalfa Mix, 118.00-134.00; Mixed Hay, 96.00-134.00; Timothy and Timothy Mix, 99.00-125.00.

7 loads Straw, 107.00-120.00; 1 ld. Ear Corn, 70.00.

New Wilmington Hay

New Wilmington, PA.
Friday, Dec. 19, 1986
Report Supplied by Auction

Alfalfa: 75.00-128.00; Mixed Hay: 54.00-97.00; Timothy: 66.00-84.00; Clover: 72.50-99.00; Straw: 60.00-69.00; Ear Corn: 58.00-70.00; Oats: 1.20-1.47/bu.

New Holland Hay

New Holland, PA
Monday, Dec. 22
Report Supplied by Auction

285 loads. Compared to last week's prices, Hay and Straw 5.00-10.00 lower.

Ear Corn was 5.00 higher and oats steady; Alfalfa, 10 at 125.00-150.00, 38 at 100.00-125.00, 20 at 54.00-100.00.

Mixed Hay, 7 at 120.00-132.00, 34 at 90.00-120.00, 17 at 67.00-90.00; Timothy, 27 at 100.00-134.00, 7 at 90.00-100.00.

Clover, 4 at 80.00-132.00; Mixed Grass and Stubble Hay, 87.00-110.00; Straw, 20 at 110.00-125.00, 38 at 100.00-110.00, 16 at 88.00-100.00, a few unusable at 88.00; Ear Corn, 9 at 68.00-80.00, 1 at 54.00.

Soybean Stalks, 66.00; Corn Fodder, high moisture, 35.00; Oats, 6 at 1.65-1.80 bu.; Wood, 25.00-44.00 ld.

Dewart Hay

Dewart, PA.
Monday, Dec. 22, 1986
Report Supplied by Auction

19 loads Hay, 51.00-96.00; 3 loads Straw, 75.00-76.00; 15 loads Wood, 29.00-71.00 ld.

48% Soybean Meal, $203.80
Distillers Grains, $169.50
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NEW HOLLAND SALES STABLES, INC. - THE ACTION AUCTION

MONDAY
FAT HOGS
EARLY BIRD HOG SALE
7:30 AM
For Your Protection Your Hogs Must Be Identified

10:00 AM
HORSES MULES

11:00 AM
HAY
STRAW
GRAIN

1:30 PM
BEEF SALE
CALF, SHEEP, GOATS

WEDNESDAY
11:00 A.M.
DAIRY COWS
HEIFERS, BULLS

NOTICE
Beginning Dec. 31 Sale Starts At 11:00 AM

NEW HOLLAND SALES STABLES, Inc.
12 Miles East of Lancaster
on Route 23, New Holland, Penna
The Action Auction
717-354-4341
Mgr - Abe Diffenbach - 717-393-4464
Norman Kolb - 717-397-5538
Field Representatives
Alan Diffenbach 717-656-9806
Luke Eberly 215-267-6608 - 738-1865
WEDNESDAY - 1:30 P.M.
FEEDER PIG SALE
We endeavor to keep our barns cleaner than yours. State graded until 12 Noon

THURSDAY
10:00 AM
BULLS -
STEERS - BEEF COWS

2:30 P.M.
CALVES
SHEEP
GOATS

Market your livestock thru New Holland Sales, your neighbor does
Pick-up your check before you leave

Keister's Hay

Middleburg, PA
Tuesday, Dec. 23
Report supplied by auction

38 loads Hay, Alfalfa, 100.00-120.00; Mixed Hay, 55.00-110.00; 13 loads Straw, 77.50-115.00.

Ear corn, 3 at 45.00-65.00; 10 loads Fireplace Wood, 27.00-45.00 ld.

Carroll Co. Hay

Westminster, MD
Tuesday, Dec. 23
Report supplied by Auction

31 loads.

Alfalfa: Very Good 132.50-140.00, Good 129.00-130.00, Fair 85.00-111.00; Alfalfa- Orchard Grass: Very Good 151.00, Good 90.00-95.00.

Alfalfa Mixed: 115.00-140.00.

Timothy: Very Good 125.00-132.00; Fair 92.00-93.00.

Timothy-Clover: 114.00-125.00.

Mixed Hay: $1/bale.

Grass Hay: 112.50.

Wheat Straw: 98.00-110.00.

Mixed Wood: 48.00/cord.

Green Dragon Hay

Ephrata, Pa.
Friday, Dec. 19, 1986
Report Supplied by Auction

131 loads.

Mixed Hay, 75.00-138.00; Timothy, 75.00-129.00; Alfalfa, 71.00-149.00; Grass, 71.00.

Corn, 69.00-80.00; Straw, 85.00-131.00; Oats, 1.60-2.00 bu.; Rye, 2.00 bu.; Roasted Soybeans, 9.20 per 100.

Good's Hay

Leola, Pa.
Wednesday, Dec. 24, 1986
Report Supplied by Auction

55 loads.

Alfalfa: 35.00-129.00.

Timothy: 113.00-146.00.

Mixed Hay: 93.00-122.00.

Straw: 99.00-130.00.

Corn: 62.00-66.00.

Oats (1 load) 1.85/bu.

Clover: (1 load) 116.00.

Grass Hay: (1 load) 80.00.

Leinbach's Hay

Shippensburg, PA
Dec. 20 & 23, 1986
Report supplied by Auction

84 loads.

Alfalfa, 78.00-141.00; Mixed Hay, 67.50-147.00; Timothy, 81.00-121.00; Straw, 65.00-105.00.

Shelled Corn, 1.83 bu.; Wood, 29.00-38.00 pick-up load.

Central U.S. Carlot

Beef Report
Tuesday, Dec. 23
Report supplied by USDA

Central U.S. Carlot beef report.

Compared to Monday's 3:00 P.M. report, choice steer and heifer carcasses generally steady, instances 1.00 lower on heifers. Good steers steady to 2.00 lower, heifers steady to 3.00 lower. Holstein type steers 1.00-2.00 higher. Demand, trading, and supplies to moderate.

21 loads of steer carcasses and 13 loads of heifer carcasses traded to packer-processors.

Correction on Monday's report: Good 1-3 600-700 lb. Heifers should have been 82.50-83.00.

Sales reported on 45 loads of steer and heifer carcasses.

Steer Carcasses:
(21 Loads Reported)
FOB Omaha Basis
Choice 3

600-900 lbs. 7 lds. range 92.00, latest estb. mkt. 92.00.

Choice 4

600-900 lbs. 83.00 C.

Good 1-3

600-900 lbs. 6 lds. range 84.00-86.00, latest estb. mkt. 84.00-86.00.

Holstein Type-
Choice 1-3

600-900 lbs. 4 lds. range 84.50, latest estb. mkt. 84.50.

Good 1-3

600-900 lbs. 4 lds. range 78.50, latest estb. mkt. 78.50.

Heifer Carcasses
(24 Loads Reported)
FOB Omaha Basis
Choice 3

550-800 lbs. 14 lds. range 88.00-90.00, latest estb. mkt. 89.00-90.00.

500-550 lbs. 2 lds. range 85.00-86.00, latest estb. mkt. 85.00-86.00.

400-500 lbs. 2 lds. range 84.00-85.00, latest estb. mkt. 84.00-85.00.

Good 1-3

350-700 lbs. 6 lds. 82.00-85.00, latest estb. mkt. 82.00-85.00.

400-550 lbs. latest estb. mkt. 74.00 C.

Steer Carcasses
FOB Amarillo Basis

Chocie 4 600-900 lbs. latest estb. mkt. 83.00 C.

Heifer Carcasses
FOB Amarillo

Choice 4 500-800 lb. latest estb. mkt. 83.00 C.

Cow and Bull Carcasses
(14 Loads Reported)

Midwest: Cutters mostly steady to 1.00 higher for this week delivery and 1.00-2.00 higher for next week delivery.

Sales in the Midwest Production Area

Commercial 2-4 500/Up# 62.00 E.

Util, Brkg 2-4 450/Up# 59.00-60.00 C.

Util., Bng. 1-3 400/UP# 63.00-64.00 C.

Cutter Bng 1-2 350/Up# 10 lds. 69.00-71.00.

Cutter Bng 1-2 400/Up# 4 lds 70.50.

Bull 1-2 600/Up# 76.00 D.

Boneless Processing Beef
Beef Trimmings
(150 Lds. Reported)
FOB Omaha Basis

90% Chem Lean 23 lds. fresh 94.00-95.00, M 94.00, 7 lds. frozen 96.00-98.00.

85% Chem Lean 10 lds. fresh 87.00-88.00, 3 lds. frozen 89.00-90.00.

75% Chem Lean fresh unquote; frozen unquote.

50% Chem Lean 76 lds. fresh 44.50-48.00, M 45.00-47.00, 3 lds. frozen 51.00.

50% Chem Lean 10 lds. fresh 46.00-49.00 boxed.

Eastern Texas/Oklahoma Production Areas--FOB Plant

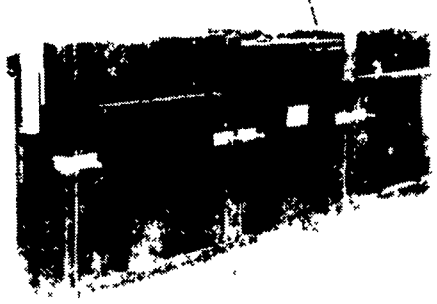
90% Chem Lean 11 lds. fresh 95.00-96.00, 3 lds. frozen 96.00.

85% Chem Lean 3 lds. fresh 89.00.

75% Chem Lean 1 ld. frozen 79.00.

ABCDE after market quotes represents days since last actual market test. Quotes will be dropped after 5 days of no test.

MARYLAND TOBACCO



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THE OLD FARMER'S ALMANAC

DEC. 29, 1986-JAN. 4, 1987

Don't let your New Year's resolve dissolve.

New Year's Day Jan 1 More than 200 Sioux Indians massacred at Wounded Knee, S D , by soldiers of the U S Seventh Cavalry, Dec 29, 1890 New moon Dec 30 (Tues) Union ironclad ship *Monitor* sank in a storm off Cape Hatteras, N C , Dec 30, 1862 Average length of days for the week 9 hours, 8 minutes Elizabeth Griscom, better known as Betsy Ross, born in Philadelphia, Jan 1, 1752 Earth at perihelion, the point in its solar orbit nearest the sun, Jan 4 *Secret pride is like a nettle in the arbor*

Ask the Old Farmer: I recently bought glass doors for my fireplace How can I clean them without damaging or cracking the glass? L D , Sarasota, Fla

Mix fine ashes from the stove with water to a thin paste and apply with a piece of toweling Then wipe off with clear water and a soft cloth

Home Hints: Use mayonnaise to rub off pine pitch or grease stains from your car s body paint

OLD FARMER'S WEATHER FORECAST

New England: Week begins cold, midweek mild temperatures, snow north, rain south, end of week sunny and cold

Greater New York-New Jersey: Beginning of week cloudy with cold temperatures, midweek mild with heavy rain, snow inland, end of week sunny and very cold

Middle Atlantic Coastal: Week begins with freezing rain and cold temperatures, midweek sunny and mild, end of week snowy and cold

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New Holland Horses

New Holland Sales Stables
New Holland, PA
Monday, Dec. 22, 1986
Report supplied by auction

Registered receipts of 260 head of horses, mules and ponies.
Market: steady.
Local
Driving Horses 250.00-1000.00.
Riding Horses 150.00-500.00.
Lightweight Killers 125.00-200.00.
Heavyweight Killers 250.00-345.00.
Mare Ponies 25.00-65.00.
Colts 10.00-20.00.
Gelding Ponies 25.00-65.00.
Larger Ponies 100.00-150.00.

Frederick Livestock

Monday, Dec. 22, 1986

BUTCHER COWS: Good run $1.00 higher. Good 38.00-41.00; Standard & Utility 33.00-37.00.
BULLS: Steady. Good & Medium 39.00-40.25.
STEERS: Good & Choice 42.75-43.75.
BUTCHER HOGS: 240-260 lbs. 49.75-50.50.
SOWS: 300-450 lbs. 37.00-41.00; 500-700 lbs. 42.00-44.00.
VEAL CALVES: Mostly steady. Good-Choice 60.00-67.00.
HOLSTEIN HEIFERS: 90-120 lbs. 52.00-56.50.
HOLSTEIN BULLS: 95-120 lbs. 95.00-107.00.
LAMBS: Good & Choice 60.00-67.00.
STOCK CATTLE: Light run steady prices. Steers Medium 47.00-49.00. Heifers Choice 45.00-47.00; Good 40.00-43.00; Medium 37.00-39.00. Bulls Choice 52.00-55.00; Good 48.00-51.00; Medium 44.00-47.00.
SPRINGING HEIFERS: 485.00-650.00.
PIGS & SHOATS: Not enough offered to quote.

Valley Livestock

Athens, Pa.
Monday, Dec. 22
Report supplied by auction

Holstein Hfr. Calves to 77.00.
Veal Calves 70.00-96.00.
Vealer Bull Calves 85.00-120.00.
Slaughter Calves 50.00-60.00.
Grassers & Feeders 35.00-40.00.
Lambs 50 to 70 New Crop to 140.00.
Sheep 15.00-20.00.
Hogs, 200 to 250 47.00-49.00.
Sows 40.00-45.00.
Boars 27.00-28.00.
Pigs each 35.00-49.00.
Heifers 36.00-41.00.
Steers, medium 36.00-41.50.
Steers, feeder 38.00-45.00.
Bulls, no top bulls, 38.00-41.75.
Cows, utility 37.00-39.00.
Cows, fat 36.00-38.00.
Cows, medium 32.00-34.00.
Cows, poor or small 25.00-30.00.
Cattle Market steady.
Calf Market higher.
Goats each 25.00-56.00.
Remarks: Expect a good market next week on all livestock. Happy Holidays!
Feeder Sale 1st Monday of Each Month.
Dairy Sale 3rd Thursday of Each Month.

Grantsville Livestock

Grantsville, Maryland
Saturday, Dec. 20, 1986

Large: 60-80; Medium: 48-54.
HOGS: Top Barrows & Gilts 51.00-53.50; Heavy Butcher 49.00-52.75; Light Butcher 40.00-48.00; Butcher Sows 40.00-45.00; Feeder Shoats 20.00-63.50.
VEAL: Good 65.00-79.00; Standard 55.00-64.00; Utility 40.00-54.00; Bull 65.00-100.00.
SHEEP & LAMBS: Good 62.00-75.00; Utility 50.00-60.00; Slaughter Ewes 20.00-32.00.
SLAUGHTER CATTLE: Steers: Good 56.50-58.50; Standard 50.00-54.00; Utility 42.00-48.00.
HEIFERS: Good 52.00-55.00; Standard 42.00-49.00; Utility 30.00-40.00.
COWS: Commercial 33.50-39.50; Utility 31.00-32.00; Canner & Cutter 30.00-down.
BULLS: Commercial & Good 42.00-45.50; Cutter & Utility 38.00-40.00.
STOCK-FEEDER CATTLE: (Yearling Steers) Good 52.00-58.00; Medium 40.00-50.00.
STEER CALVES: Good 55.00-60.00; Medium 42.00-52.00.
HEIFER CALVES: Good 45.00-56.00; Medium 30.00-40.00.

Penns Valley Livestock

Centre Hall, Pa.
Tuesday, Dec. 23
Report supplied by Auction

Beef Cows: Utility and Commercial 36.50-39.75; Cutters 33.50-36.00; Canners 30.50-33.00; Shells 28.00 low.
Heifers: Commercial 37.50-46.50.
Steers: Standard 42.75-49.50.
Bulls: Good 44.00-46.50; Standard 40.50-43.50.
Veal Calves: Choice 70.00-82.00; Good 53.00-69.00; Standard 42.00-52.00; Utility 31.00-41.00.
Farm Calves: Bulls .90-1.28; Heifers 55.00-68.00.
Hogs: 48.75-51.00.
Sows: 38.00-42.50.
Boars: 34.00-35.25.
Shoats: 25-30 lbs. per head 14.00-21.00; 30-35 lbs. per head 24.00-32.00.
Goats: per head 28.00-32.00.

Lebanon Valley Livestock Auction

Fredericksburg, Pa.
Monday, December 15, 1986
Report Supplied by PDA

AUCTION FOR DECEMBER 23, 1986 NOT REPORTED - ALTHOUGH AVAILABLE HEADAGES ARE AS FOLLOWS; CATTLE 134 — CALVES 183 — HOGS 96 — FEEDER PIGS 11 — SHEEP 0 .

CATTLE 242...PDA. Supply includes 66% slaughter cows . Compared with last Tuesday's market: Slaughter cows mostly steady to .50 lower. Choice slaughter steers 2-4, 960-1255 lbs. 57.25-60.00, few Good 53.50-58.75, few Good and Choice holsteins 49.75-53.00, two Standard 50.75, few Utility & Standard 40.85-44.25. Choice 3-4 slaughter heifers 53.25-56.25, Good 45.50-53.00, few Standard 40.75-44, Utility & Low Standard 33.00-38.75. Few Breaking Utility and Commercial slaughter cows 36.60-39.25, Cutter & Boning Utility 33.75-37.35, Canner and Low Cutter 30.75-33.75, Shells down to 22.50. Two Good slaughter bullocks 44.50 & 47.85, two Standard 41.50&43.50. Few Yield Grade No. 1, 1210-2160 lbs. slaughter bulls 45.00-45.75.

CALVES 209...Vealers grading Standard and Good mostly steady to $1 lower. High Choice, individual 87.00, one Choice 78.00, one Good 70.00, Standard and Good 90-110 lbs. 46.00-49,one 130 lbs. 55.00, 70-85 lbs. 42.00-46.00, Utility 50-85 lbs. 30.00-40.00. Farm Calves: Holstein Bulls 90-125 lbs. 62.00-100.00, few down 47.00; few Holstein Heifers 85-115 lbs. 50.00-54.00.

HOGS 199...Barrows and gilts weak to $2 lower. US No. 1-2 210-240 lbs. 52.00-52.60, lot 53.25, 1-3 220-275 lbs. 51.60-52.25, lot 52.60, 2-3 200-250 lbs. 51.10-51.75, 1-3 190-200 lbs. 50.35-51.75. US No. 1-3 285-680 lbs. sows 40.50-45.00, fe Medium 215-465 lbs. 33.00-38.00. Boars 38.00-41, few light weights 41.50-42.50.

FEEDER PIGS 27...US No. 1-3 27 lbs. feeder pigs 85.00 — all per hundredweight.

SHEEP 8...Few Choice 70-135 lbs. wool slaughter lambs 51.00-60.00, few Utility and Good 45-90 lbs. 52.00-59.00.

GOATS 0...No market test.

Use Leftover Christmas Trees

When the holidays are over don't assume a natural cut tree has fulfilled its only purpose. Such a tree has other uses, too. As an indoor decoration is only one.

We often take the tree and tie it to a post, such as a clothesline post. The tree becomes a small bird sanctuary.

Or, cut off the boughs and place these over perennial flowers. The dense needles serve as a temporary mulch. Fir branches and pines will retain most of their needles until spring at which time the boughs can be removed

If you live in a community where a shredder machine is available, the tree is ground up into a very satisfactory wood mulch to be used as needed. Christmas trees take years to grow. Get the most out of yours. Re-evaluate its potential after the holidays, urges Arnold G. Lueck, Lancaster County extension horticultural agent.

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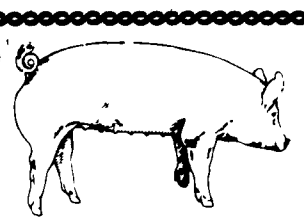

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1:00 P.M.
Sale To Start Promptly Every 4 Weeks
Located 18 miles south of Lancaster, Pa., 6 miles south of Quarryville, take Rt. 272 to Little Britain, turn north, follow Little Britain Road to Jackson Road, right. 2nd farm, OR take Rt. 222, out of Quarryville to Cedar Hill Road to Little Britain Road to Jackson Road, left. Watch for sale arrows.
50 to 60 Head
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R.D. 1, Kirkwood, Pa.
Abe Diffenbach, Auctioneer AU225L
NEXT SALE DATE FEBRUARY 13, 1:00 P M

VIRGINIA MARKETS

Livestock market and auction news

New Wilmington Livestock Auction

New Wilmington, Pa.
Monday, December 22, 1986
Report Supplied by PDA

CATTLE 230...PDA. Compared with last Monday's market: Slaughter cows fully $1 higher. Few Good slaughter steers 52.00-55.50, few Standard 45.25-49.50. Couple Choice slaughter heifers 52.75&53, few Good 48.00-49, few Standard 40-43.50. Breaking Utility and Commercial slaughter cows 37.00-40, one 41.50, Cutter and Boning Utility 33.50-38, few high dressing 39.00, Canner and Low Cutter 27.00-34, Shells down to 23.00. Utility slaughter bullocks 36.50-40.00. Few Yield Grade No. 1, 1530-1835 lbs. slaughter bulls 42.00-47, one No. 2, 1295 lbs. 40.25. Feeder Cattle: Medium & Large Frame No. 1, 400-820 lbs. heifers 40.50-47, few Med. & Large 2, 300-500 lbs. 30.00-38. Medium & Large Frame No. 1, 400-700 lbs. bulls 44.00-56.00.

CALVES 287...Few Good vealers 66.00-70, few Standard 55.00-64, Standard and Good 90-110 lbs. 44.00-52, 65-85 lbs. 30.00-44, Utility 50-90 lbs. 16.00-20.00. Farm Calves: Holstein Bulls 85-135 lbs. 70.00-116.00, Holstein Heifers 90-115 lbs. 56.00-58.00.

HOGS 401...Barrows and gilts $4-$5 lower. US No. 1-2 220-245 lbs. 49-49.50, Lot 19 head 50.00 , 1-3 210-260 lbs. 47.00-49, 2-3 210-260 lbs. 45.00-47.25, 270-305 lbs. 42.25-46, 1-3 180-185 lbs. 44.00. Sows mostly $2 higher. US No. 1-3 300-730 lbs. sows 38.00-47.50. Few Boars 33.25-40.50.

FEEDER PIGS 53...US No. 1-3 25-35 lbs. feeder pigs 26.00-37.00, 35-45 lbs. 37.00-51.00 — all per head.

SHEEP 107...Choice and Prime 70-85 lbs. wool slaughter lambs 76.00-83.00, 90-115 lbs. 69.00-77, Good and Choice 45-75 lbs. feeder lambs 66.00-78.00. Slaughter ewes 12.00-24.00.

GOATS 14...18.00-45.00 — per head.

Mercer Livestock Auction

Mercer, Pa.
Tuesday, December 23, 1986
Report Supplied by PDA

CATTLE 245...PDA. Compared with last Tuesday's market: Slaughter steers strong to $1 higher; Cows mostly steady. Choice slaughter steers 57.50-62.50, yield grade #2 63-64.85, Good 53.00-57.50, Standard 47.50-53.00, few Utility 42.00-45.00. Choice slaughter heifers 55.00-57.50, Good 50.50-54.50, Standard 43.00-48.00, Utility 38.50-42.00. Breaking Utility and Commercial slaughter cows 36.50-39.00, few 40.00, Cutter and Boning Utility 32.50-37.00, Canner and Low Cutter 27.00-33.00, Shells down to 22.00. Yield Grade No. 1, 1200-3000 lbs. slaughter bulls 42.00-47.25, No. 2, 900-1400 lbs. 38.00-42.00. Feeder Cattle: Few Medium Frame No. 1, 400-600 lbs. steers 48.00-53.00.

CALVES 104...Few Standard vealers 54.00-57.00, Standard and Good 90-120 lbs. 48.00-56.00, 60-85 lbs. 39.00-49.00, few Utility 50-85 lbs. 20.00-33.00. Farm Calves: Holstein Bulls 90-125 lbs. 80.00-131.00.

HOGS 243...Barrows and gilts $2 lower. US No. 1-2 220-255 lbs. 49.00-50.00, few lots 50.50&51.60, 1-3 210-260 lbs. 47.00-49.00, 2-3 230-270 lbs. 45.00-46.10, 2-4 204-240 lbs. 44.00-45.00. Few US No. 1-3 400-600 lbs. sows 45.00-47.00, few 2-3 300-580 lbs. 41.00-45.00. One Boar 38.00.

FEEDER PIGS 25...US No. 1-3 70-95 lbs. feeder pigs 51.00-56.00 Cwt.

SHEEP 1...One Choice 130 lbs. wool slaughter lamb 55.00.

GOATS 2 ..26.00-34.00 — per head.

Eighty-Four Livestock Auction

Eighty-Four, Pa.
Monday, December 22, 1986
Report Supplied by PDA

CATTLE 227... PDA...Compared with last Monday's market: Slaughter cows steady. Few Standard slaughter steers 48.00-50.00. One Choice slaughter heifer 59.00, few Good 50.00-54, few Standard 43.50-47.25, Utility 38.00-42.00. Breaking Utility and Commercial slaughter cows 37.00-40.50, Cutter and Boning Utility 34.00-38, Canner and Low Cutter 30-34.25, Shells down to 21.00. Yield Grade No. 1, 1000-1700 lbs. slaughter bulls 41.00-47, No. 2 900-1500 lbs. 38.00-42.00. Feeder Catle: Medium & Large Frame No. 1, 300-600 lbs. steers 49.00-59. Medium & Large Frame No. 1, 300-500 lbs. heifers 43.00-55. Medium & Large Frame No. 1, 300-600 lbs. 50.00-57.00.

CALVES 220...Few Choice vealers 79.00-83.00, few Good 64.00-76.00, Standard and Good 90-120 lbs. 48.00-54.00, 60-85 lbs. 38.00-48.00, few Utility 50-90 lbs. 30.00-38.00. Farm Calves: Holstein bulls 90-125 lbs. 65.00-100.00.

HOGS 85...Barrows and gilts steady to weak. Couple lots US No. 1-2 230&248 lbs. 52.25, 1-3 210-260 lbs. 50.00-51.00, few 2-3 250-300 lbs. 47.25-49, few 1-3 135 lbs. 43.00. Few US No. 1-3 350-600 lbs. sows 44.00-46.00. Few Boars 31.00-34.00.

FEEDER PIGS 15...Lot US No. 1-3 45 lbs. feeder pigs 43.00 — all per head.

SHEEP 120...Few High Choice & Prime 65-97 lbs. wooled slaughter lambs 75.00-84.50, few 86.00, Choice 85-100 lbs. 65.00-77.00, Good & Choice 55-65 lbs. feeder lambs 64.00-75.00. Slaughter sheep 20.00-27.00.

GOATS 15...19.00-35.00 – per head.

Dewart Livestock Auction

Dewart, Pa.
Monday, December 22, 1986
Report Supplied by PDA

CATTLE 193..PDA...Compared with last Monday's market: Few Choice 950-1300 lbs. slaughter steers 59.00-60.85, few Good 55.00-56.50, few Good and Choice holsteins 48.50-53.10. Choice slaughter heifers 53.00-59.50. Breaking Utility and Commercial slaughter cows 35.85-37.85, few 40.60, Cutter and Boning Utility 34.00-37, couple 39.75, Canner and Low Cutter 30.50-34, Shells down to 28.50. Choice slaughter bullock, individual 54.00. Yield Grade No. 1, 1000-1980 lbs. slaughter bulls 44.75-49.50. Feeder Cattle: Few Medium Frame No. 1, 400-550 lbs. steers 48.00-52.00.

CALVES 204...Few Choice vealers 83.00-99.00, few Good 65.00-80, few Standard and Good 110-120 lbs. 56.00-65.00, 75-105 lbs. 47.00-55.00, few Utility 60-80 lbs. 40.00-50.00. Farm Calves: Holstein Bulls 90-95 lbs. 58.00-65,100-130 lbs. 80.00-117.00.

HOGS 46...One Lot US No. 2-3 250 lbs. barrows and gilts 50.10, lot 230 lbs. 52.75, lot 1-3 180 lbs. 48.60. US No. 1-3 370-615 lbs. sows 38.75-41.75. Boars 40.00-43.00.

FEEDER PIGS 217...US 1-3 15-25 lbs. feeder pigs 24.00-35.00, 35-50 lbs. 37.00-44.00 — all per head.

SHEEP 6...Few Choice 75-105 lbs. wool slaughter lambs 54.00-62.00.

GOATS 0...No market test.

SELL IT WITH A LANCASTER FARMING CLASSIFIED

ATTENTION FARMERS

EVERY MONDAY
HATFIELD PACKING CO. and
MOYER PACKING CO.
Will Receive Your
Hogs and Cattle at the
DANVILLE LIVESTOCK MARKET
RD 4, Danville, PA

- We will receive your hogs from 8 AM to 12 Noon every Monday. Your hogs will be weighed and paid for immediately.
- We will also accept your sows & boars.
- Your cattle will be received from 12:30 to 5 P.M We will either pay you for your cattle immediately or you may sell them dressed weight.
- There will not be a commission or yardage fee deducted from your check.
- You may call our office Monday morning and we will be able to tell you the base price for hogs for the day.

MELVIN M. LEHMAN - Owner
Danville Buying Station
Phone: 717-275-2880

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At The
BLAIR-BEDFORD BUYING STATION
RD 1 Martinsburg, Pa

MONDAYS - Hogs 8 AM to 11:30 AM
Cattle & Calves 8 AM to 3 PM
THURSDAYS - Cattle & Calves
8 AM to 3 PM

- No commission or yardage fees deducted from check
- Livestock weighed and paid for immediately
- You may call our office sale day for prices

DALE R. HOOVER - Owner
Business 814-793-3077
Residence 814-793-2657

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Lancaster Farming

OPINION

Join RCMA Now

We hear a lot about tight milk supplies right now. And, of course, that's amazing when you consider that only a short time ago all we had to report was over-supply and huge surpluses. At that time, almost everyone would have had us believe the dairy farmer would never again see the light at the end of the tunnel. Now milk plant managers express concern about possible milk shortages. What a difference a few months can make.

The drought, the herd buyout and milk promotion efforts are given as reasons for the quick turnaround. In addition, let's face it, some dairymen who didn't get in the buyout went out of business anyway. Nevertheless, every reason that is given for the change in milk supplies goes back to hardships and/or sacrifices made by dairymen. If the dairy farm family didn't give up their way of life by going out of business, they certainly sacrificed the dollars that were removed from milk checks for advertising and promotion of dairy products. And the disheartening fact remains that with all these sacrifices, the odds are still stacked against the dairy farmer when he comes to receive full benefit from the turned-around market conditions.

First of all, the federal marketing order prices are set by the Butter/Powder Class II market even though use of Class I beverage milk is about constant all year. In addition, the dairy plant's business is often weighted on the side of Class II. The market for manufactured dairy products has been developed. The excess that isn't eaten by consumers in normal market channels is purchased by commodity credit. And the manufacturing plants have overhead and labor forces geared up for this market. They need a constant supply of milk to keep their plants running even at the expense of beverage milk.

So right now we see tight Class I supplies of milk with the support price scheduled to drop in January. This ought not to be. Historically, dairymen were not organized to ask for a fair higher price for Class I milk when market conditions warranted that increase over the federal order support price. Now they are. The Regional Cooperative Marketing Agency (RCMA) has already won the support of 45 to 50 milk marketing cooperatives. These groups have pledged all of their members to RCMA. Many of the independent producers in eastern milk producing states north of Pennsylvania have joined the cooperative. Pennsylvania's independent dairymen are now being signed up so that every milk dealer in the northeast will be asked to pay a price above the federal order for Class I milk as asked for by RCMA.

Some people think with the operation of RCMA, dairymen may at times add up to a dollar or more per hundredweight to their milk checks. Others think that if dairymen can just keep the price up where it is now, the cooperative is worth joining. While the possible added income is fantastic, we think it's just as important for dairymen to get in a position to say what price he wants for his milk, rather than accept what someone else says he may have.

We know some of us farmers are not comfortable when we must put a price on what we want to sell. We have so long been required by the nature of our business to pay retail prices for our inputs and to receive wholesale prices for our production. Psychologically it's hard for us to orient our thinking to a competitive marketing situation where costs determine the final price to the end user. But when you get right down to the bottom line, it's really not too much to ask for a few extra dollars to be returned from a favorable beverage milk market that has been at least in part created by the advertising and promotion money taken out of our milk checks in the first place.

So that's why we think you should join RCMA. And we think you should join right now.

NOW IS THE TIME

By Jay Irwin
Lancaster County Agriculture Agent

To Review Your Will

With the provisions of the Economic Recovery Tax Act back in 1981, major new benefits are available in the estate planning area. The new laws prompt three major actions. First, you should thoroughly review your wills; second, examine how you own property; and third, check for application of the new tax laws to determine savings.

Everyone should have their will thoroughly reviewed if it hasn't been done since September 1981. One major point of the review should be to determine ways of applying the new unlimited federal estate tax marital deduction.

Any amount of property can now be transferred tax-free to a spouse at death. However, this option should be considered carefully. Medium and large estates may pay more tax if the entire estate is passed to the surviving spouse.

Consult your attorney about making necessary changes.

To Prepare For Slippery Conditions

Slippery roads, walks and steps will be a common hazard in the next few months. Many people use salt too freely in cutting the ice; it may get the job done but also may injure nearby turf or shrubbery. I'd suggest the use of sand or sawdust. These materials will make the surface safe without possible injury to vegetation.

In areas without any vegetation, salt will give good results. Along our main highways there is some evidence that the constant use of salt is inflicting injury to nearby trees and shrubs. Don't let this happen to your favorite tree, shrub or the turf lining your walk.

To Take Inventory

An area of our operation that is very important at this time of year is inventory. With the close of the year most of our farmers close out their records for the year. This means that if you are going to have a Farm Analysis made, you should take inventory of all your supplies.

You'll need this to do any kind of farm analysis, because the amount of grains, hay and other supplies that are in storage will vary from year to year, and unless this is taken into consideration, you cannot have an accurate analysis of your year's operation. So, as accurately as possible, record the amount of hay, grains, feed, seeds, and fertilizer that are on hand. This is the first step in an accurate farm analysis.

To Know Tax Reporting Timetables

Farmers planning to estimate what their tax is going to be for 1986 should file from 1040ES by Jan. 15. If you file your Estimated Return by Jan. 15, you have until April 15 to file a complete tax return on Form 1040 and pay any tax still due or request a refund if they overpaid in making the tax estimate. However, farmers who do not file and pay an estimated tax must file the completed 1040 form by March 2 and pay in full whatever tax is due at that time. Non-farmers have until April 15 to complete their 1040 and pay any tax due. Farmer's Tax Guides are available at the Extension Office to assist in filing your reports.

Farm Calendar

Thursday, January 1

Annual Family Style Pork and Sauerkraut Dinner, Leola War Memorial Building, noon to 6 p.m.

Friday, January 2

Lebanon County Livestock Roundup, Lebanon Fairgrounds; Show, 10 a.m., Sale, 6 p.m.

Monday, January 5

Hunterdon County Sheep Breeders' Association monthly meeting, Extension Center, 8 p.m.

Tuesday, January 6

Ephrata Area Young Farmer's Officers Banquet Meeting, Ephrata Jr. High School Conference Room, 7:30 p.m.

Wednesday, January 7

Hunterdon County Board of Ag monthly meeting, Extension Center, 8 p.m.

Bucks County Federal Income Tax Meeting, Meyers Restaurant, Route 309 Quakertown, 9 a.m. to 4 p.m.

Thursday, January 8

Christmas Tree Pest Management Short Course, Buckhout Lab, Penn State University; continues tomorrow.

York County Commercial Dairy Day, 4-H Center, 10 a.m. to 2:30 p.m.

Income Tax Meeting, Lancaster Farm and Home Center, 9:30 a.m. to 4 p.m.

Farrowing Short Course, Penn State University, 9 a.m. to 5 p.m.

Regional Tomato Growers Meeting, Thomson's Dairy Bar (Lackawanna County). Phone: 963-6842 for information.

Friday, January 9

Southcentral Area Income Tax meeting, 9 a.m. to 4 p.m., Chambersburg Holiday Inn on Wayne Ave., Chambersburg.

THE BIBLE SPEAKS

BY LAWRENCE W. ALTHOUSE

INVISIBLE CROSSES
December 28, 1986

Background Scripture: Mark 8:27-38.

Devotional Reading: John 12:20-26.

Most people like and feel comfortable with approximately 50% of the Gospel. The Christmas part -- at least as they think they understand it – is wonderful, of course. And they are also happy to acknowledge Jesus as the Christ.

But the other 50% of the gospel introduces some ideas that they find most unattractive. This really shouldn't surprise us at all that much because Jesus's own disciples had pretty much the same problem. At Caesarea Philippi they must have been elated when, in answer to Jesus's probing, "But who do you say that I am?" Peter, their unofficial spokesman, declared "You are the Christ" (Mark 8:29). If only Mark had tacked on a nice ending and let it go at that!

Mark, however, did not finish there because Jesus did not finish there. Jesus went on to "teach them that the Son of man must suffer many things," (8:31) including that he would be killed and rise again. And the same disciple, Peter, who had just made his ringing confession, "You are the Christ," now turned "and began to rebuke him." Peter– and probably the rest of the disciples– loved the part about their Master being the Christ, but he did not love the second part, the part about suffering.

IF ANY MAN...

Simon Peter was not the last person to be turned-off by the suffering servant role which Jesus forecast. People like the pictures of Christ enthroned in glory, but not those of him on a cross. There is a nagging sense of shame which some people feel when they look at a picture or statue of Jesus on the cross. Jesus anticipated this reaction and he said to Peter and the rest of the disciples, "For whoever is ashamed of me and of my words in this adulterous generation, of him will the Son of man also be ashamed, when he comes in the glory of his Father with the holy angels" (8:38).

To be the Christ, Jesus is saying, means bearing a cross. That's the first stumbling block for many.

OBSOLETE?

But, there's another one too. Not only does he have to suffer, says Jesus, but so do any or all of us who want to be his disciples. To be the Christ means to bear a cross and to be a follower of Christ means no less that that either. "If any man would come after me, let him deny himself and take up his cross and follow me" (Mk. 8:34).

That statement is the biggest blow of all, for many people become Christians so that they might escape the very thing Jesus is offering: a cross. In fact, many people believe it is their only insurance against that type of suffering. Instead, Jesus virtually promises it to them if they become his disciples and follow him.

Surely, the cross requirement has become so obsolete for followers of Jesus? Not really! For most of us in the USA and elsewhere where there is freedom of religion in effect, crosses have simply become invisible. Instead of the extreme agony of a crucifixion, our crosses are unseen but no less real. Instead of physical pain, they may inflict only those inner pains or embarrassment, humiliation, or rejection. But there are crosses in the lives of every one of us – every day, if we will see them. And they are no less real crosses because they are invisible.

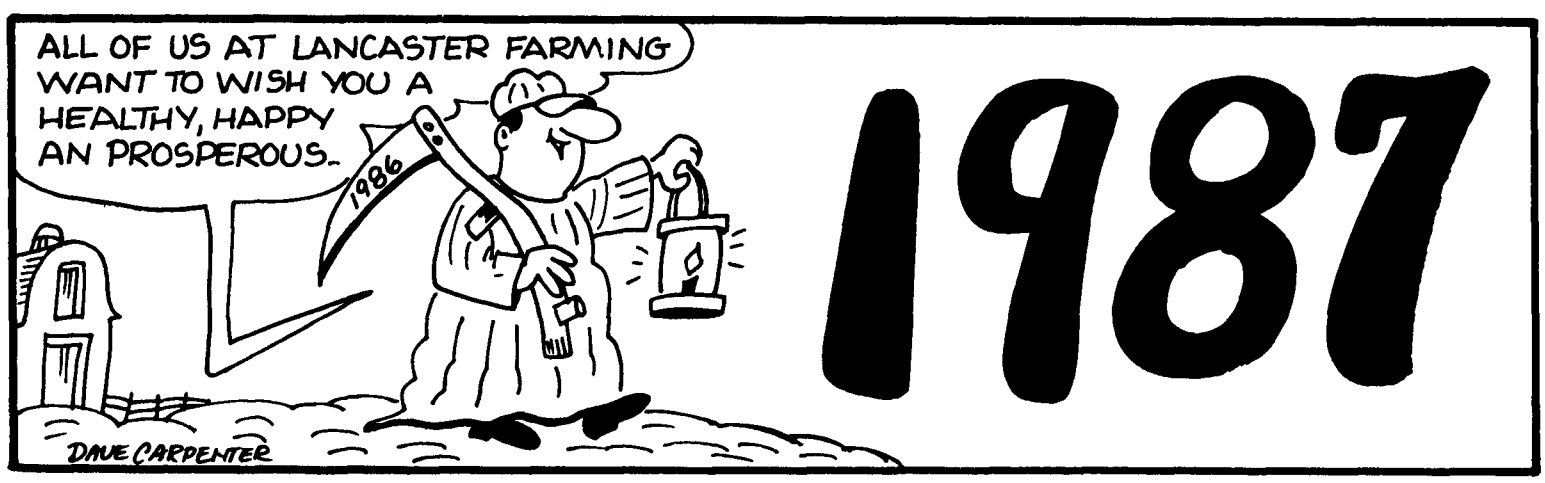
(Based on copyrighted Outlines produced by the Committee on the Uniform Series and used by permission. Released by Community & Suburban Press.)

FARM FORUM
OUR READERS WRITE

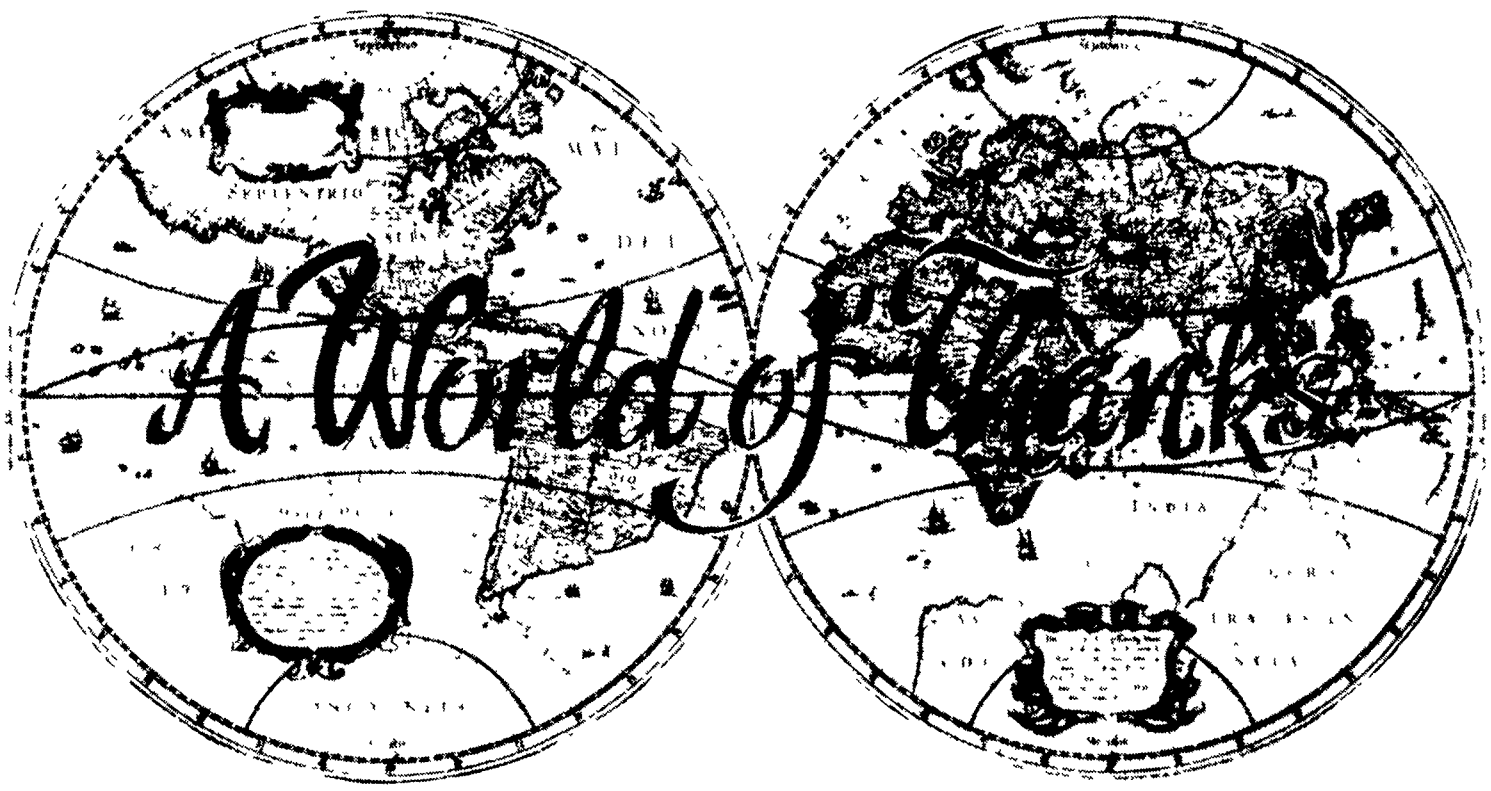
Dear Editor:

The lame-duck session and Thornburgh gave us farmers a few "nice" gifts (if that's what they call "nice"). That's the pesticide bill to take away certain pesticides and deprive agriculture and Pennsylvanians of rights to use them and singled out persons who own dogs and cats to have rabies shots given by only veterinarians so that the vets could soak what they want. The singling out of persons who own dogs and subject them to special dog laws is a deliberate violation of the 14th Amendment of the U.S. Constitution, which says that "no state shall make or inforce laws to deny any person within its jurisdiction the equal protection of the laws." The governor and the law makers were informed of that but they

(Turn to Page A13)



To All Our Customers



We wish to extend a sincere "THANK YOU" to all of you, for your continued remembrance of Hershey Equipment Company for all of your poultry and livestock needs.

Our sales, service and management staff count it a privilege to call you our friends, as well as valued customers.

Our dedicated staff will continue to be at your service in 1987.

As we enter this New Year, our sincere desire for all of you is Health, Happiness and Prosperity!

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Livestock market and auction news

Some markets not covered by PDA or USDA due to holiday

Keister's Middleburg Livestock Auction

Middleburg, Pa.
Tuesday, December 23, 1986
Report Supplied by PDA

CATTLE 243... REPORT IS SUPPLIED BY AUCTION . Choice slaughter steers 60.75-63.85, Good 56.00-59.75, Standard 52.00-56.00. Good slaughter heifers 53.00-55.75, Standard 45.00-53, Utility 38.00-43.00. Breaking Utility and Commercial slaughter cows 36.50-42.60, Cutter and Boning Utility 35.00-38.75, Canner and Low Cutter 31.00-35, Shells down to 30.00. Yield Grade No. 1, 1200-2065 lbs. slaughter bulls 46.50-50.35, No. 2, 800-1200 lbs. 38.00-46.25. Feeder Cattle: No Weights Few 350-700 lbs. steers 52.00-55.50. Few 350-700 lbs. heifers 38.00-48.00.

CALVES 201...Choice vealers 71.00-87.00, Good 60.00-70.00, Standard and Good 90-110 lbs. 45.00-55.00, 60-90 lbs. 40.00-45.00. Farm Calves: Holstein Bulls 90-125 lbs. 60.00-111.00.

HOGS 553...US No. 1, 220-240 lbs. barrows and gilts 54.00-55, 1-2 215-245 lbs. 53.00-54, 1-3 200-250 lbs. 51.50-53.00, 2-4 190-270 lbs. 45.00-51.00. US No. 1-3 280-660 lbs. sows 38.00-40.50, few 45.00, 2-3 240-550 lbs. 30.00-38.00. Boars 34.00-35.50.

FEEDER PIGS 462...US No. 1-3 20-35 lbs. feeder pigs 32.00-42.00, 35-50 lbs. 42.00-51.50 — all per head.

SHEEP 27...Choice 80-110 lbs. wool slaughter lambs 60.00-71, few 87.00, Good 60-100 lbs. 50.00-60.00. Slaughter ewes 19.00-24.00.

GOATS 0...No market test.

Central U.S. Carlot

Pork Report
Tuesday, Dec. 23
Report supplied by USDA

Compared to Monday's 3:00 P.M.: Fresh pork loins 14-18# 2.00-3.00 lower, 18-22# 3.00-6.00 lower; Picnics 4-8# Steady; Boston Butts 1.00-3.00 lower; Skd. Hams 17-26# 2.00-17.50 lower; Sdls Bellies 12-18# steady to 4.50 lower; Trade moderate to active, except slow on loins. Demand Light to moderate for moderate offerings.

US No. 2 175 lb. hog carcass declined 3.73 to 65.84 per cwt.
Loads Fresh Pork Cuts- 61.50.
Loads Trim/Process Pork- 9.00.

Fresh Pork Cuts
FOB Omaha Basis
Loins, Regular, Fresh
14-18 lbs. 3.5 lds. 97.00-100.00.
18-22 lbs. 2 lds. 94.00-97.00.
22/Up lbs. 94.00 B.
Tenderloins
2/Bag 270.00-305.00 A.
Picnics
4-8 lbs. 56.00 B.
8/Up 52.00 B.
Boston Butts
4-8 lbs. 2.5 lds. 85.00-89.00.
8/Up Lbs. 72.00 C.
Spareribs, Fresh
1.5-3.5 lbs. 0.5 lds. 116.00.
3.5-5.5 lbs. 0.5 lds. 99.00.
5.5/Up lbs. 50.00 A.
Spareribs, Frozen
1.5-3.5 lbs. 117.50-118.00 B.
5.5/Up lbs. 55.00 C.
Loin Backribs
1.5/Dn. lbs. 275.00 C.
Hams, Skinned Fresh
14-17 lbs. 3 lds. 66.50-70.00.
17-20 lbs. 17 lds. 66.00-67.50.
20-26 lbs. 11 lds. 61.50-63.00.
26-32 lbs. 2 ld. 59.00.
32/Up lbs. 2.5 lds. 51.50-53.00.
Hams, Skinned Frozen
Bellies, Sdls, Skin On, Fresh
10-12 lbs. 60.00 B.
12-14 lbs. 4 lds. 62.00-63.50.
14-16 lbs. 5 lds. 62.00-63.50.
16-18 lbs. 5 lds. 57.50-62.50.
18-20 lbs. 2 lds. 48.50.
20-25 lbs. 2 lds. 40.00-41.00.
Bellies, Sdls. Skin On, Frozen
12-14 lbs. 63.00 C.
14-16 lbs. 63.00 C.
16-18 lbs. 60.00 C.
20-25 lbs. 45.00 E.
Pork Trimmings/ Boneless Processing Pork (Chemical Lean)
Combo 42% Fresh 2.0 40.75-41.00.
Boxed Frozen 1 ld. 41.00.
Combo 72% Fresh 1.0 ld. 72.75.
Boxed Frozen 4 lds. 75.00.
Boneless Picnics
Combo 72% Fresh 76.00-77.00 B.
Skinned Jowls
Combo Fresh 40.00 B.
Boxed Frozen 1 ld. 40.00.
Cured and Processed Meats
Hams, Smoked, Skinned, Water Added
16-19 lbs. 73.00-94.00.
19-23 lbs. 72.00-81.00.
Picnics, Smoked, Water Added
4-7 lbs. 69.00-77.00.
Bacon, Sliced, Vac. Pack
1 lb. pkg. 132.00-177.00.
ABCDE After Market Quotes

Represents Days Since Last Actual Reported Sales. Quotes Dropped After 5 Days.

East Coast Carlot

Tuesday, Dec. 23, 1986
Report supplied by USDA

Compared to Monday's close: Choice and prime special fed veal weak in limited test and comparison. Limited supplies of good and choice boning veal 1.00 to 4.00 higher; inshipped generally steady. Choice and prime lamb steady with last week.

Veal Carcass-Hide On
Choice & Prime
(Special Fed)
50 Head
220-280 lbs. 158.00, weak.
Good and Choice
Boning Type-Hide On
Northeastern Suppliers
1300 Head
65-75 lbs. 81.00-86.00, 1.00-4.00 higher; 55-64 lbs. 79.00-84.00; 45-54 lbs. 77.00-82.00; 35-44 lbs. 75.00-80.00; 34 lbs. dwn 73.00-78.00.
Inshipped
650 Head
71-80 lbs. 82.00, generally steady; 61-70 lbs. 80.00; 51-60 lbs. 78.00; 41-50 lbs. 76.00; 30-40 lbs. 74.00.
Lamb Carcass, Choice and Prime
4 Loads
Compared to last week:
55 lbs. dwn 155.00, steady; 55-65 lbs. 145.00, steady; 65-75 lbs. 140.00, steady.

Greencastle Livestock

Greencastle, Pa.
Monday, Dec. 22

CATTLE 585. SLAUGHTER STEERS: Choice & Prime 60.00-62.00, few to 64.00; Good & Choice 54.00-60.50; Good & Choice — Holstein 47.00-51.50; Standard & Good Holstein — 42.00-47.50.

SLAUGHTER HEIFERS: Choice 58.00-61.00, few to 63.00; Good & Choice 54.00-60.00; Standard & Good 45.00-54.25.

COWS: Utility & Commercial 36.00-39.00, few to 40.75; Cutter & Boning Utility 33.00-37.50, few to 40.00; Canner & Low Cutter 33.50 & down.

BULLS–ALL WEIGHTS: Yield Grade 1 45.00-49.00, few to 51.50; Yield Grade 2 37.50-45.00.

STOCKER CATTLE--ALL WEIGHTS. Steers — Medium & Good 50.00-60.00; Heifers — Medium & Good 43.00-53.00; Bulls — Medium & Good 45.00-54.00; Steers — Holstein 38.00-43.00.

CALVES 497. Good & Choice — 125 to 250 pounds 70.00-85.00, few to 94.00; Medium & Good — 125 to 250 pounds 55.00-70.00; Medium & Good — 80 to 120 pounds 48.00-60.00; Light & Cull — all weights 48.00 & down; Holstein Bulls — return to farm up to 109.00; Holstein Heifers — return to farm up to 62.00.

LAMBS, SHEEP & GOATS 70. Choice Lambs 64.00-67.00; Medium & Good Lambs 60.00-69.50; Light & Lambs 55.00-65.00; Sheep, Ewes & Bucks 22.00-30.00; Goats — all sizes (by head) 14.00-45.00.

HOGS 119. No. 1-3 Butcher Hogs — 190-225 pounds 50.00-52.00; No. 1-3 Butcher Hogs — 225-250 pounds 51.50-52.60; No. 1-3 Butcher Hogs — 250-300 pounds 45.00-50.00; Good Butcher Sows — 400 pounds down 40.00-45.00; Good Butcher Sows — 400 pounds up 39.00-44.00; Heavy Boars — over 300 pounds 30.00-33.00; Pigs–all sizes (by head) 19.00-45.00.

Sale every Monday afternoon at 3:30 p.m.; 40 loads Hay & straw sale every Monday at 1:00 p.m.

Alfalfa 120.00-150.00/ton.
Mixed 90.00-136.00/ton.
Mulch 60.00-100.00/ton.
Straw 74.00-90.00/ton.

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HYBRID CORN
PEMIUM SINGLE CROSSES
■ SX-405A ■ SX-711 (New) ■ SX-805 (New)
■ SX-642 (New) ■ SX-725 ■ SX-810
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Super Sow Lactation Chow® isn't for everyone.

Sure it's the perfect match for some people. Fact is, it only fits operations with prolific sows in confinement that need maximum milk production to support bigger and heavier litters. And producers have liked what they've seen.

With Super Sow Lactation Chow, pig survival averaged almost 92% — 15% above the national average. Weaning weights averaged 12.7 pounds at 21 days of age. And sows maintained excellent condition as reflected in a 95.4% conception rate at an average weaning to breeding interval of just 6.2 days. Truly super.

But we know every hog producer's operation is different. Genetics differ. Housing and environmental temperature differ. Nobody fits each one of these different operations like Purina*.

We also know your sow's needs change. They need different nutrition to meet these changing needs from breeding to gestation to lactation to rebreeding. And again, nobody fits these stages like Purina.

Super Sow Lactation Chow is only one example. Purina formulated it for one set of conditions. It's not for everyone. But there is a Purina feed that fits the way you operate. See your Purina representative. He'll help you select the feeds that fit you.

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Nurseryman Elected President

MEDIA – Wayne Norton, prominent Middletown Township nurseryman, was recently elected to the presidency of the Delaware County Agriculture Extension Association at the group's annual meeting at the Springfield County Club. The Association is the group of volunteers involved in supporting the Cooperative Extension Service in program development and promotion, according to C. R. Bryan, Jr. County Extension Director. The Extension Service provides educational programs in agriculture, home economics and 4-H youth clubs to all interested county residents. The other officers of the Board of Directors elected at the meeting are Aileen Allen of Havertown as vice-president, Barbara Kahler of Sharon Hill as secretary, and William Goolsby of Media as treasurer.

The program at the meeting was "Understanding World Agriculture" presented by Dr. Thomas King. Dr. King has been on the staff of the College of Agriculture at Penn State University for over thirty years. He has headed the Universities agriculture program in Swaziland, Africa for three years and also served as the head of agriculture international programs.

Representative Thomas Gannon of Ridley Township and Senator Clarence Bell were the state legislators who attended the meeting. The Extension staff exhibited some of the educational programs provided to county residents on an equal opportunity, nondiscriminating basis. The Extension Office is located in the Rose Tree Hunt Club, Rose Tree County Park, 1521 N. Providence Road, Media, PA 19063. The public can phone 565-9070 for information about Extension programs.

Wayne Norton, second from left, prominent local nurseryman was elected president of the Delaware County Agricultural Extension Association at their recent annual meeting. With Norton are from left ro right, State Representative Thomas Gannon of Ridley Township, Dr. Thomas King of Penn State University and State Senator Clarence Bell.

FARM FORUM
OUR READERS WRITE

(Continued from Page A10)

thumbed their noses at the Constitution as they always do.

As for the pesticides, they are just making it hard for farmers deliberately. In the late '50s a 75 foot strip from Adams county across York county was seeded with Giant Foxtail. it went across our farm. We never had it before, and we grew crops without herbicides or even cultivation. Now if you don't spray Lasso and other grass killers that Giant Foxtail takes over and is as high as a foot all over. Wild game enthusiasts planted that and many other bad plants. Multi flora rose was introduced by the Game Commission, which freeloads on the farmers. Those plants have taken over the farms and are hard to kill. The politicians and the Game Commission who are responsible for their existence refuse to do anything about it other than make us victim farmers be violaters for having those plants on our lands. The lawmakers that I talked to about the multi flora rose did not know what a multi flora rose looked like. But they know how to go behind closed doors and take away the herbicides to control those bad plants.

The average politician knows how to talk smart, dress up smart, talk before radio and television and before different groups and all that. But they don't know much about farming and other thngs. And that includes the U.S. Constitution. But they know the tricks of propaganda and politics and how to herd the people to vote for them and rob the people of their rights and wealth and substances and liberties behind closed doors. That's what they've done here. There are too many Dwyers (?) and smart ashers among them. I pray that the Lord will bring more of them out to light so that we can all see them. They betrayed us all, democrats, republicans and the rest. They gave us a hell of a bad Christmas as a thanks for our vote.

Yours truly,
Paul Holowka
York

30 YEARS AGO
THIS WEEK

- Farm products in Lancaster County during 1955 had a value of $95,268,637, or 31 percent of Pennsylvania's entire farm produce of $311, 915,000 last year.

Drought, heat, hurricanes, government controls- none had any great effect on the productivity of Lancaster County's fertile farmland, yards and lots.

First in rank, eggs declined slightly from 1954, but had a total value of $18,218,000 last year. The 1954 total value was $19,088,100. The decline in egg prices accounted for part of the total County decline, some $2,500,000 from the $98,590,317 in 1954.

Milk values on Lancaster County farms increased from 15,887,400 in 1954 to 18,145,800 last year.

- A record number of livestock will be seen at the Farm Show this year. To date, 2,025 head of horses, beef cattle, dairy cattle, sheep and hogs have been entered.

Biggest expansion in number of entries is in dairy cattle, according to state agriculture Secretary William L. Henning.

- In its latest estimate the Census Bureau reports that females now outnumber males in the United States by about 1,381,000. The greatest disparity is in the 25 and older age groups.

The sex ratio switch is said to be due to two factors... the mortality rate is higher for men... and immigration has declined. Prior to 1930, about two-thirds of the immigrants were males.

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RECEIVING

All warehouses will begin receiving January 2.

SALES SCHEDULES
All Sales Beginning At 9 A.M.
Monday, Jan. 5 - P.T.A., Intercourse
Tuesday, Jan. 6 - Garden Spot, Blue Ball
Wednesday, Jan. 7 - Paradise Tobacco, Paradise
Thursday, Jan. 8 - P.T.A. Quarryville

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Farm Toy Event Set For Jan. 1

Several hundred farm toy collectors from all over the east coast are expected to gather at the New Holland fire hall to participate in a show, sale and auction Thursday, Jan. 1. The doors open at 9:30 and the main emphasis of this event will be the auction which begins at 11:00 AM. Some rare farm toys of the 50's and 60's have already been consigned including a New Holland PTO baler that is 19 years old and has never been out of it's box. A local collector brought 2 of these home from a show in Iowa, one for his collection and the other for the auction. It should fetch around $150 to $200. A rare plastic Ferguson 30 tractor with mounted plow from the 50's is expected to get gaveled down in the $500 area.

Dale Stoltzfus from Gap is auctioneer and Dave Nolt from Paradise is auction manager. Their auction in August at the same location grossed thirty thousand dollars with individual prices from around fifteen dollars to five hundred dollars. Dale and Dave also managed an auction in October which included an extremely rare New Holland toy baler that brought over $500.

For those who favor less costly items, the "Thrifty Dutchman Supply" folks will be selling new toys in the 5 to 25 dollar range. Also collector books and guide as well as parts to restore older toys, will be available for private purchase.

Two rare "John Deere" scale models of implements from the 40's built by employees of Deere's design group will be on display for the first time ever. There is no way to determine their value as they are the only ones known in existance. They will be for display only.

The ladies auxiliary will be serving food and at the end of the event a drawing for frozen turkeys will be held.

In the event of bad weather, this event will be cancelled. If questionable, call 768-3554 to verify.

On Saturday, April 4th, the Liberty Fire Company will be sponsoring a farm toy show and auction at the fire hall of course. Details will be available in a few months.

Lancaster County is the farm toy capital of the east and events like these help it maintain that status.

Milk Premium And Bonus Programs Pay Dividends For Northeast Producers

SYRACUSE, N.Y. – Two member cooperatives of United Dairy Cooperative Services, a division of NEDCO, Progressive Dairymen's Cooperative Inc. and Middlebury Cooperative Milk Producers Association Inc., are seeing an improvement in their milk income as a result of United's innovative premium and bonus programs.

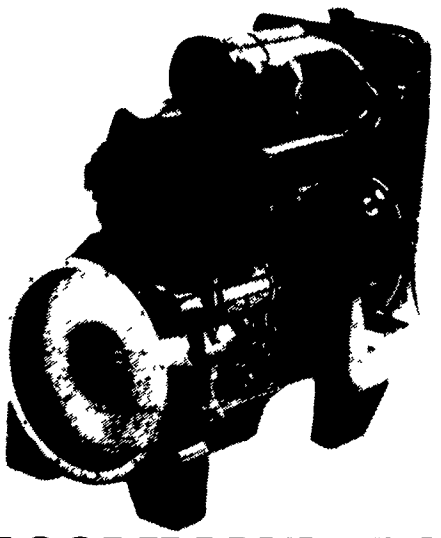
These programs, offered in conjunction with Dietrich's Milk Products, Inc., owner/operator of the Middlebury Center, Pa. milk manufacturing plant, include a 15-cent per hundredweight producer premium; a solids-not-fat premium; and a seasonal bonus incentive plan.

The producer premium is straight forward — every member receives 15 cents per hundredweight above blend price for all milk produced. The solids-not-fat premium, the first of its kind in the northeast, pays 5 cents a hundredweight per point for solids-not-fat over 8.7 from milk produced by colored breed cows. This plan is currently only available to Progressive members. Of interest is the fact that this premium is not directly tied to quality.

The seasonal bonus incentive plan is two-fold, rewarding producers for increasing milk during the fall months and also for improving total production by increasing their production base. A premium is paid on base pounds produced during eight months of the year and an additional 50-cent per hundredweight premium is paid during August through November on all milk produced above the producer's base established the preceding year.

"Premiums are not new to United's milk producers," stated United President James Patsos. "Other cooperatives have recently adopted production incentives and premium programs but we feel ours are more advantageous to the dairy farmer. Dietrich's and United are pleased to be able to provide these programs to our members."

LISTER PETTER



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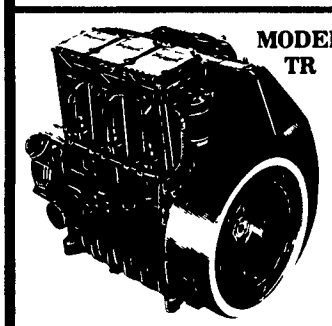

MODEL TR

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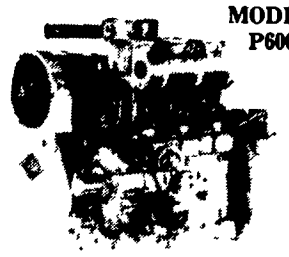

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4400 Diesel, rotary screen, heater, monitor, US feeder house, bin extension, chopper
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NI 818 combine 4R narrow head & 13' flex head Sharp
NI 2 row narrow, pull type picker $3,950
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(1) #443 Corn Heads
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JD 4320 Tractor, Sharp
Farmall 300 Tractor
NI 352 Single Beater Spreader, New Style
JD 2500 4x18 Auto Reset Plow
JD 2510 Diesel, Syncro
JD 2500 5-18" auto reset plow

MISCELLANEOUS:
JD 201 Implement Carrier, 9'x32', New Style. $2,450
NI PTO 2 Beater Spreader, Model 214 ..... $750
18.4x38 Direct Axle Dual Wheels
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NH 679 tandem axle spreader, hyd. endgate . $3,850
NH #90 Bale Mover
NI 214 Spreader w/End Gate $1,850
Best Land Rock Picker $1,850
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Owatonna stack wagon, model #540 ..... $3,450
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Brillion 10' Packer (Big Shaft) $450
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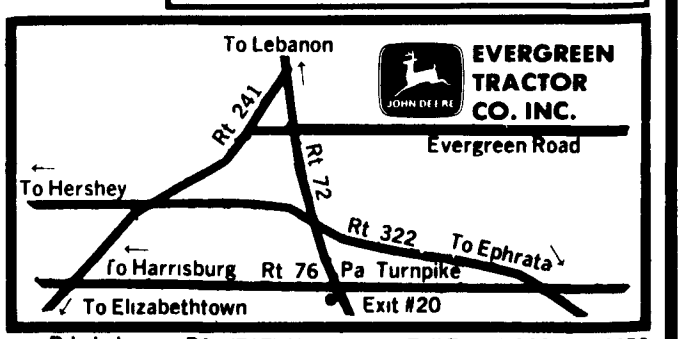

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Ford Announces Restructure Plans

TROY, Mich. – Ford Motor Company will restructure Ford Tractor Operations (FTO) and New Holland Inc. into a worldwide unified operating organization, effective Jan. 1, 1987.

The action will coincide with the reorganization of Ford Tractor Operations from a Ford Motor Company division to a subsidiary — Ford New Holland, Inc. It represents a major move by the company to broaden its role in the highly competitive agricultural and industrial equipment industry.

"This enterprise will be a major force in the industry," said Edson P. Williams, vice president - Ford Diversified Products Operations, who made the announcement.

There will be three major product components within the organization — Tractor Operations, New Holland and Diesel Engine Operations. Tractor Operations produces a wide range of agricultural and industrial tractors. New Holland makes harvesting and haying machinery plus industrial equipment. Diesel Engine Operations manufactures diesel engines for tractors, New Holland products, Ford trucks, and for other manufacturers for a variety of uses.

Major activities will be headquartered in two locations. Tractor and Diesel Engine Operations will be headquartered in Troy, Mich., in the present FTO facilities. Corporate world headquarters will be consolidated in New Holland, Pa., during the latter part of 1987. The master tractor parts depot and a branch sales office will remain in Troy.

The sales and marketing of Tractor Operations and New Holland products will be handled by a single group which will be based in New Holland, starting in early 1987.

The supply, finance and employee relations functions also will be consolidated in the new enterprise.

As part of the restructuring, a number of branch sales offices and parts depots in North America will be combined, starting in early 1987. During the first quarter, New Holland parts facilities in Memphis, Tenn.; Arlington, Texas; and St. Paul, Minn. will be relocated into existing Ford Tractor parts depots in Memphis, Dallas and Minneapolis, respectively. Later in the year, New Holland's Columbus, Ohio parts operation will relocate to Ford Tractor's Troy, Mich. facility. Other parts depot consolidations are still under study.

Also starting in 1987, the consolidated North American sales and marketing organization will operate out of nine branch offices and one sub-branch. FTO and New Holland now have a total of 15 regional locations. The nine expanded branches will be located in New Holland, Pa.; Troy, Mich.; Atlanta, Ga.; Minneapolis, Minn.; Dallas, Texas; Lenexa, Kan.; and Oakland, Calif. The sub-branch will be in Denver, Col. Canadian offices will be in Bramalea, Ontario and Calgary, Alberta.

Sales offices in Columbus, Memphis, Fresno, Calif., and Overland Park, Kan., will be closed. The exact number of positions affected by these actions has not yet been determined.

Martin Attends Growers Chemical Meeting

Melvin Martin, of Lititz, attended the annual sales meeting of Growers Chemical Corporation Dec. 9 and 10, in Milan, Ohio. Nearly 120 people from Missouri to Maine, North Carolina to Minnesota, including Ontario, Canada attended the two day event.

Growers fertilizer solutions were developed by Dr. V. A. Tiedjens, former director of the Virginia Truck Experimental Station at Norfolk. Dr. Tiedjens performed 30 years of fundamental research, much of which was in hydroponics, before perfecting his formulation currently in use. Hydroponics is a method of growing plants without soil, enabling Dr. Tiedjens to determine the nutrients necessary for crop growth. He also used farm fields with known histories for plot work rather than research station farms which tend to have plots on top of plots.

Growers, now with 32 years of commercial on-the-farm use, is credited with the development of foliage fertilization and direct-to-seed application in field crops.

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Definition Of Preproductive Period Questioned

WASHINGTON, D.C. — In a letter to Treasury Secretary, James A. Baker, III, National Grange Master Edward Andersen continued to protest the inaccurately defined preproductive period for livestock under the new tax law. "The National Grange is extremely concerned with the bookkeeping nightmare created by this provision," said the national farm leader.

Andersen blasted the "two gestation" definitions as being inaccurately defined due to the three distinctly different management periods as the period is currently defined. Andersen suggests the true preproductive period for livestock is from birth of the animal begins its useful activity and is not from the conception of the mother until the animal gives birth.

Andersen explained the three different management practices as follows: "From conception of the mother to birth, the management practices relate to the care of the mother. After birth until the female is placed in the breeding herd is the second stage of management. The management during this period relates to the growth and development of the animal itself. When the female is placed in the breeding herd, the care of that female is a production management and is similar to the care that her mother received during gestation."

To further substantiate his claim, Andersen cited the difference in nutrient requirements during the overexpanded period. "The net energy requirement for growth is higher from birth to being placed in the breeding herd but the net energy requirement for maintenance is higher for a pregnant heifer. This is indicative of preproduction growth in the birth to the breeding period as contrasted to production maintenance after breeding." Andersen further stated that the higher calcium requirement from birth to breeding indicates that growth is at its maximum.

The National Master also identified a number of problems with accurately defining the start of the first gestation period and the end of the second gestation period. "Males do not have a second gestation period," Andersen said. "This then indicates that the preproductive period for the male would end when he can impregnate a cow." Drawing a comparison, Andersen suggested that the female's period should end when she can be impregnated. "Unless this is done, two sets of requirements will be necessary, causing problems for both the rancher and the IRS," Andersen commented.

With modern animal practices, including artificial insemination, the use of "clean-up bulls," embryo transplanting, embryo splitting, and embryo freezing, Andersen cited a number of problems regarding when the first gestation period would actually start. "If an embryo is split, does the period start when the donor cow is flushed, when the embryo is split (creating new individuals), or when the recipient cow is implanted," Andersen asked.

Andersen also explained a problem with ending the preproductive period for horses. "The intent of the provision was to stop the period when an animal begins its useful purpose," said Andersen. "Normally, we talk about when livestock enters the breeding herd, however, race horses, show horses, rodeo horses, etc., perform their useful purpose prior to being bred," he said.

Andersen also stated that in the Tax Reform Act if the farmer makes the election to deduct the cost of raising livestock rather than capitalizing those expenses, he/she must use straight line depreciation on all farm assets. "This needs to be narrowed in scope," said Andersen. "In a diversified operation, only assets relating to the specific enterprise should be required to use the straight line depreciation method and not all farm assets," he said.

Andersen concluded with a request that the preproductive period be defined from birth of the animal until it is placed in the breeding herd (except horses). "Not only is it indefensible to start the preproductive period when the mother conceives because the management during the mother's pregnancy is a production oriented management directed to the mother and not the animal itself, but it is also impossible to have a rule that indicates when the first gestation period starts due to modern practices," said Andersen.

Grange Wants Strict Rules From Treasury

WASHINGTON, D.C. — As the Department of Treasury continues the regulation writing process for the new tax code, National Grange Master Edward Andersen has asked Secretary of Treasury James A. Baker, III, to be strict in writing rules which will eliminate the incentives to convert non-cultivated farmland to productive ground. Andersen said, in a letter to the Secretary, "A generous tax code and farm subsidies have been responsible for a tremendous amount of land brought into production which should not have been." He said, "The Food Security Act of 1985 took steps to correct one-half of the problem and now the tax code must correct its contributing share."

Andersen stressed the need to continue the deduction for soil and water conservation practices. "Expenditures for soil and water conservation generate long-term social benefits for which farmers and ranchers should receive compensation," said the National Master. He asked that the Treasury insist the practice be consistent with a USDA/State conservation plan but that the conservation practice should not have to be approved by the Soil Conservation Service (SCS) before it is performed. "The role of the SCS should play is that of a referee," Andersen said. "If there is a dispute about an expense between the IRS and the farmer, then the SCS would make the final decision," said Andersen. The National Grange's concern is that significant budget cuts suffered by the SCS will hamper their ability to service growers and approve conservation practices in a timely fashion.

The letter also addressed drainage of wetlands. "If productive farmland has a drainage system which is upgraded or if there are maintenance costs to the existing system, those costs should be deductible and not considered in violation of drainage regulations," stated Andersen.

The language in the Senate's report says that deductions cannot be made for land that is drained or filled to make production possible if such production would not be possible without such action. "Upgrading a current drainage system or maintaining that system does not violate this language and I encourage the Treasury to review these conditions before the final rules are developed," Anderson concluded.

Kim Kennedy Receives Poultry Scholarship

UNIVERSITY PARK — Kimberly A. Kennedy, a senior majoring in animal bioscience at the Pennsylvania State University, was honored at the College of Agriculture Scholarship and Awards Banquet.

She received a Pennsylvania Poultry Federation Scholarship, which is granted to students in the College of Agriculture who are pursuing a major in animal science and have a primary interest in poultry. Kennedy has demonstrated academic achievement and is an active member of the Penn State Poultry Science Club, serving as club treasurer.

At the banquet, Dr. Lamartine F. Hood, dean of the College, congratulated scholars and thanked donors for their support. He said that as the costs of higher education continue to rise, scholarships and awards play an increasingly important role.

So far this year, 185 students in the College of Agriculture have received a total of $178,255 in scholarships and awards. In its awards program, the College has about $270,000, which has been donated by friends, alumni and agricultural industries. Awards are granted competitively to new and continuing students on the basis of financial need and academic accomplishments.

Kim Kennedy

Kennedy, of East High Street in Pottstown, was selected for the scholarship by the Department of Poultry Science Scholarship Committee in consultation with a representative of the Pennsylvania Poultry Federation and the College of Agriculture.

Generic Advertising Pays Dividends For Dairy Industry

BY R. J. BEITER
University of Maryland

COLLEGE PARK, Md. — For many years there has been a controversy over the value of generic vs brand advertising. There have been studies supporting both sides of the issue. According to a recent study conducted by A. D. Little, Inc., as reported by the U.S. Department of Agriculture, generic advertising has been responsible for increased milk consumption.

An increase of 1.3 billion pounds of fluid milk have been consumed since the National Dairy Board's Promotion and Research campaign has been in effect from August 1984 to December 1985.

Regardless of the reasons, consumption of milk and dairy products increased 3.3 percent in 1985 over 1984 and is up 7 percent from two years ago. During the first six months of this year commercial milk disappearance is up 4.2 percent over the same period last year.

It must be recognized that increased milk consumption in recent years has been influenced by economic trends such as declining unemployment, increasing personal income, and declining relative price of dairy products.

Generic advertising of milk has never been attempted on the scale that it has since the formation of the National Dairy Promotion and Research Board. This is the first time that the dairy industry has been in the same league with other food and beverage industries with a promotion and research budget sufficient to provide significant national advertising of generic milk and dairy products.

Regardless of the findings of the various studies that have been conducted, generic advertising does appear to cause an increase in consumption above that normally expected from other economic factors.

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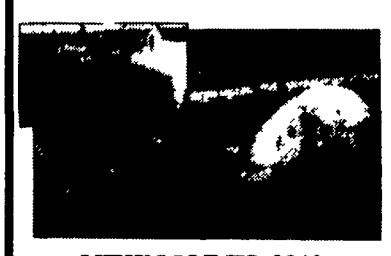

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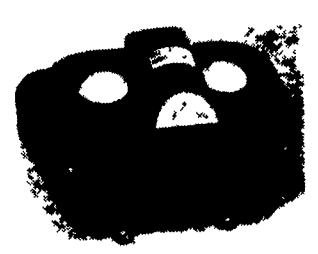

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Learn, Compton Share Indiana DHIA Awards

INDIANA — The Indiana County Dairy Herd Improvement Association finished its 60th year on Oct. 14 with 47 whole year herds. In addition, seven owner-sampler herds completed the testing year.

Recently at Hosses Steak and Seafood Restaurant in Indiana the organization held their annual luncheon to recognize the county's top producers.

The top award winner in the milk production category was the Walter J. Learn family of Commodore R.D. 1. This family was able to capture this position by having a herd average of 20,581 pounds of milk.

Jim and Bill Compton of Clarksburg were at the top of the list in the fat competition. This father, son team had a total of 719 pounds of fat.

The Jerry Nesbit family of Marchand owns the herd that stood at the top of the protein category. A total of 651 pounds of protein was the average for this 113 cow Holstein herd.

Receiving an award for the lowest somatic cell count in the county was another father son combination, Dale and Rodney Bloom. This family from the Seward area was at the top of the low somatic list with a yearly average of 91,000.

The 1986 most improved awards went to Jerry Nesbit of Marchand. This family operation captured the most improved herd for milk with 19,955 pounds of milk, the improvement of 4,276 pounds, the most improved herd for fat with 686 pound, an increase of 121 pounds, and the most improved herd for protein with 651 pounds.

In the individual cow performance competition Dr. F.G. Edwards stood at the top in the Holstein milk, fat and protein categories. "Mocha", produced a total of 31,843 pounds of milk, 1,333 pounds of fat, and 999 pounds of protein.

Alvin and Robert Beattys' "Jenny," had 16,400 pounds of milk and 813 pounds of fat. These figures were enough to top the Guernsey breed in the county. This twosome also had the high cow for pounds of protein, "Polly" had a total of 568 pounds of protein.

"Allison," owned by William C. McMillen of Marion Center was the top Jersey producer for the 1986 production year. The figures that gained her this title are 16,600 pounds of milk, 803 pounds of fat and 627 pounds of protein.

Carl and Patsy Novak dominated the goat production category with 2,537 pounds of milk, 86 pounds of fat and 69 pounds of protein.

Speakers for the annual event included state directors for the Dairy Herd Improvement Association Bill Jackson, Fayette County, and Bill Ideal from Cambria County. Both gentleman spoke of the state organization of the association.

The award winners at the annual Indiana County Dairy Herd Improvement awards luncheon include back row left, Bill Compton and Ronald Learn. Front row left, Tom Wallace presenting Jody Nesbit with the high herd for protein award, Rodney Bloom, low herd somatic cell count.

Dean Amick, of the Central Testing Lab presented a presentation on the milk sample. Amick used a filmstrip, "Whirlwind Tour of the Lab." By viewing this the producers were able to see the many different techniques and instruments used to process the sample in order for them to receive accurate records.

The association also re-elected Charles Lockhart and Rodney Bloom as their directors for the upcoming year.

Member Harlan Kurtz with Senior Loan Officers John Mylin and Gordon Herr

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Adams County DHIA Monthly Report

dhia
Pennsylvania Dairy Herd Improvement Association

November 1986

A Holstein owned by M J Starner and Sons topped the November testing period with a completed lactation of 22,360 pounds of milk and 1,211 pounds of fat

Name	Brd.	No. Cows	% Days in Milk		Milk Lbs.	3 Fat x Lbs.
Kit-Way Farm		3	67 6	89 5	20,918	765
Milton R Hoffman		3	44 9	90 0	19,933	762
Kling Ayr Farms		3	34 6	91 4	21,336	753
Ray Dutterer		G3	67 7	88 6	18,956	724
Yelow-Buttercup Fm		3	159 5	88 6	17,826	702
Brown Valley Fm		3	70 5	87 1	19,663	702
MR & CS Durboraw		3	63 4	90 0	18,363	690
Donald Todt		B3	55 2	89 2	19,004	683
Leroy Deputy		B3	133 6	86 6	17,946	666
Ber Crk		3	67 8	87 7	17,800	650
Zeppdale Farms		B3	122 1	89 9	18,211	650
Fred-Chris McGillvray		B3	58 4	86 4	17,775	648
Stoner Bros Dairy		G3	76 4	88 1	17,952	645
Lagging Stream Fm		B3	122 8	83 7	16,274	638
Penn Gate Farm		3	77 2	78 4	17 434	636
Wayne H Rodgers		B3	100 2	86 0	18,063	629
Robert C Hoffman		3	26 1	84 0	17,384	627
Kevin S Holtzinger		B3	239 0	85 6	17,521	617
Kraybill Miller		G3	39 1	91 7	15,867	616
Adam F Lobaugh		3	42 6	87 1	16,620	613
Roy A Weaner Jr		3	56 2	86 8	16,932	612
Leroy Basehoar		B3	69 3	81 4	15,078	601
MJ Starner&Sons		B3	149 8	84 4	15,241	599
Rinker Bros		G8	42 7	87 5	16,065	597
Geo I Lauchman		B8	44 0	84 5	16,041	596
Holstein Supreme		G3	192 6	86 8	16,216	588
Way Brite Farms		B3	137 3	87 4	16,492	581
Frank Ludwig		B3	32 6	88 9	15,531	578
Richard K Herr		B3	164 0	87 2	16,799	578
Robel Acres		3	79 1	88 0	16,867	577
Home Side Acres		B3	46 8	79 3	16,288	576
Weim Sharr Fms		3	76 7	83 3	17,335	575
Getty Acres		B3	183 6	84 0	16,387	575
M J Roche		B3	31 9	90 7	15,522	562
R+K Cunningham		B3	46 7	87 0	15,713	561
Grove Bros		B3	87 7	84 8	16,474	558
Larry Holtzinger		B3	44 9	85 8	15,753	556
Buttonwood Farms		3	146 9	87.7	15,076	553
Robt&Linda Meyers		B3	86 6	88 1	15,304	539
Roger L Sprague		G3	61 2	87 3	15,353	538
John J Hess		B3	146 1	84 5	14,782	527
Kehr Acres		3	81 2	85 7	14,000	526
Pennstead Farm		B3	45 7	89 1	13,392	526
Piney Lane Guernseys		2	57 1	86 5	11,046	515
Pleasant Acres		B3	64 9	85 5	14,458	509
Shamrock Farm		B3	60 4	85 1	12,964	472
Robt L Rohrbaugh		B3	67 9	76 8	13,793	470
Hubert R Brown Sr		B3	58 3	81 3	12,972	459
H & W Farms		B3	65 5	75 4	12,354	452
Knud A Hermansen		B3	85.5	80 2	13,117	448
Oscar E Mehring		B3	34 4	82 4	12,461	440
Rhodes Enterprises		B8	154 7	80 7	11,088	435

The following cows completed lactations over 700 pounds fat during the November testing period

Stoner Bros Dairy						
20	3	5-05	250	18,595	4 0	735
Penn Gate Farm						
Clara	3	7-00	305	20,690	3 8	786
T Bell	3	2-06	305	19,723	4 4	866
Ellen	3	2-07	305	19,756	3 9	779
M J Starner & Sons						
ES 305	3	5-01	305	24,128	4 0	956
26	3	4-04	305	22,360	5 4	1211
32	3	3 06	305	19,366	4 0	781
Kraybill Miller						
Jenny	3	9-10	305	17,467	4 3	746
Geraldin	3	3-08	305	17,329	4 2	735
Roy A Weaner						
40	3	6 05	305	19,346	3 9	753
John J Hess						
13	3	5 11	305	20 766	3 6	746
Ray Dutterer						
139	3	5 03	305	21,416	4 6	980
137	3	4 05	305	32,113	3 3	1045
143	3	4 00	305	20,103	4 0	801
32	3	3 11	294	18,816	4 0	761
160	3	2 11	300	18,761	4 3	805
Shamrock Farm						
39	3	8 09	305	18,922	4 0	756
Kit Way Farm						
Image	3	6 10	300	19,416	3 7	717
Mondu	3	3 00	305	27,783	3 4	949
Lindy	3	4-06	305	24,296	3 3	790
Lark	3	4 03	305	20 201	3 9	783
Robert & Linda Meyers						
48	3	4 09	305	22 112	3 8	850
Yelow-Buttercup Farm						
29	3	10-02	305	21,080	3 5	728
120	3	7-04	299	22,402	3 3	741
57	3	4-07	305	23,284	4 3	998
Grove Bros						
61	3	6-06	305	21,542	3 4	729
39	3	3-06	305	20,538	3 7	756
Way Brite Farms						
25	3	7-06	305	21,085	3 3	704
26	3	5-04	305	19,407	3.9	761
123	3	4-03	305	19,086	4.5	863
14	3	4-01	305	21,567	3 4	735
13	3	3-02	305	18,589	3 9	722
Leroy Deputy						
Jean	3	8-11	305	22,905	3 3	757
Sweets	3	2-10	305	17,734	4 3	755
Getty Acres						
506	3	3-11	305	24,232	3 2	783
Zeppdale Farms						
184	3	4-03	305	20,996	3 7	778
182	3	4-05	305	17,774	4 0	715
108	3	2-04	305	19,485	3 8	738
46	3	2-00	305	19,270	3 9	749
H & W Farms						
98	3	6-05	293	18,729	3 7	700
George I Lauchman						
Paula	3	9-09	305	20,953	3 6	746
Laurie	3	3-01	305	17,199	4 3	738
Home Side Acres						
Dana	3	6-01	305	24,782	3 5	857
Milton R Hoffman						
14	3	8-04	305	21,977	3 5	760
16	3	5-03	305	24,919	3 5	883
15	3	5-04	305	21,650	3 7	796
23	3	4-05	305	19,909	4 9	984
13	3	4-04	300	18,393	4 4	807
Fred-Chris McGillvray						
8	3	7-00	305	28,799	3 9	1109
38	3	3 10	305	23,655	3 3	780
39	3	3-01	305	21,204	3 7	785
54	3	2 10	305	19,558	3 6	704
Holstein Supreme						
331	3	7-02	269	21,041	3 5	731
665	3	3-03	305	21,007	3 8	792
Kevin S Holtzinger						
198	3	5-02	305	20,087	4 0	808
226	3	4 05	305	22,098	3 2	705
283	3	3 01	305	18,163	3 9	700
419	3	4 07	305	20 460	4 0	812
446	3	5 04	305	17,778	4 1	734
447	3	6 03	305	22,737	3 1	704
454	3	7 04	305	22 054	3 3	734
Richard K Herr						
126	3	9 03	305	25,515	3 2	806
37	3	6 10	305	23 825	3 4	821

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Land Use Meetings Slated

HONESDALE — A series of three meetings for local government officials and interested citizens will be held Jan. 7, 14, and 21 beginning at 8 p.m. in the extension meeting room, Courthouse, Honesdale.

The speaker for the first session will be Stanley Lembeck, Penn State Community Planning Specialist. His topic will be "Administering the Zoning and Subdivision Ordinance" and he will discuss the roles of local elected officials and planning commission members in subdivision and zoning ordinance preparation and administration.

The second session on Jan. 14 will be devoted to the topic "Municipal Role in Protecting Wetlands." The speaker will be Edward Perry, Assistant Director, U.S. Fish and Wildlife Service. He will discuss the Clean Water Act and point out how the law restricts development or destruction of any land which can be classified as "wetlands."

The final meeting on Jan. 21 will focus on the municipal role in sewage planning. Ronald Brezinski, Pennsylvania Department of Environmental Resources, will discuss the role of the adopted sewage plan and the impact of the plan on proposed subdivisions.

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From The Staff
Farmer Boy Ag

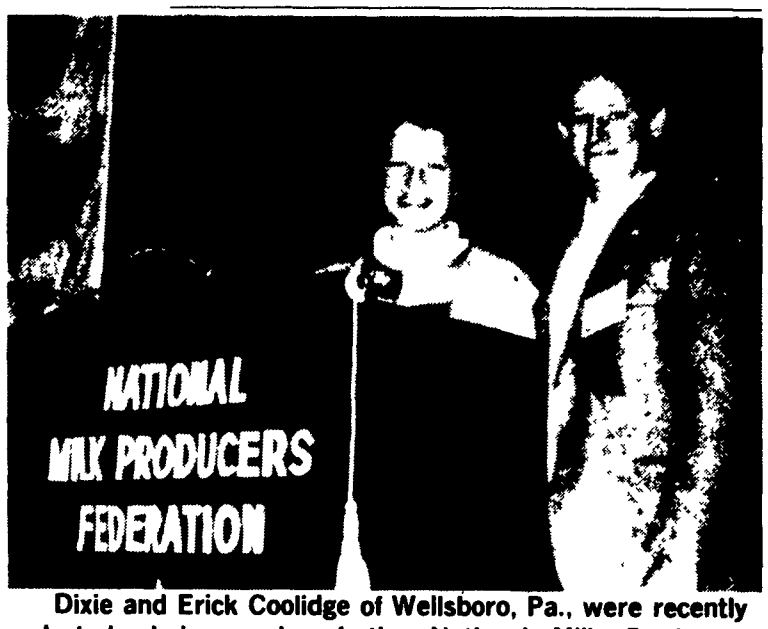
Tioga County Couple Elected Chair Couple

SYRACUSE – Dairylea District 5 Director James Madigan, Towanda, Pa. has announced that Dairylea Young Farmers, Erick and Dixie Coolidge, Wellsboro, Pa., were recently elected Chair Couple of the National Milk Producers Federation Young Cooperators Advisory Board.

The Coolidges were among 83 couples representing various dairy cooperatives across the country attending the Federation's Young Cooperator Program during its 70th Annual Meeting held in Las Vegas, Nev.

Ten couples were elected, two representing each region, to serve for a one-year term on the Young Cooperator Board. The board is responsible for planning the 1987 Young Cooperator Program, held in conjunction with the NMPF's Annual Convention. The program gives young farmers the opportunity to learn more about the industry and discuss current issues and problems with other young farm couples from different regions of the country.

The Coolidges have been active in Dairylea's Young Farmer Program and are also board members of the Pennsylvania Association of Farmer Cooperatives. Erick Coolidge also serves as Sub-district 5B president.



Dixie and Erick Coolidge of Wellsboro, Pa., were recently elected chair couple of the National Milk Producers Federation Young Cooperators Advisory Board.

Maryland Holstein Board Meeting Held

BY SUE CROW
Maryland Correspondent

KENNEDYVILLE, Md. – The convention speaker for the Maryland State Holstein Convention set for Feb. 20 will be Ron Buffington.

This announcement was made at the December Maryland Holstein Board meeting. Buffington will present a slide show dealing with picture taking, merchandising cattle and genetics. His presentation "We are the World" will be part of the program for the banquet slated for the Pleasant Valley Fire Hall.

For the ladies, a progressive luncheon is planned in the homes of Kathy Hoff, Nona Schwartzbeck and Karen Hobson.

The cattle for the sale will be housed at the Carroll County Fair Grounds with a heated arena. The sale headquarters will be at the Quality Inn in Westminster.

Another topic brought before the board was the State Show in April. The addition of ET calves without papers was discussed and approved with final approval going to the show committee one month before the show. Contact Bob Knutsen for details.

In the Best three Female Category, the requirement of ownership of at least one animal was added in both the junior and senior divisions.

A 5-year-old cow class was added to the show for the coming year. Possible judges were to be contacted before the next meeting.

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Maryland Jersey Farm Realize Dream With Jug Win

BY GINGER SECRIST MYERS
Adams Co. Correspondent

KEYMAR, Md. — The National Jersey Jug Futurity, held annually in conjunction with the All-American Jersey Show at the NAILE in Louisville, Ky., is billed as the most glamorous and prestigious of all dairy breed events. For most Jersey breeders, winning "The Jug" is just a dream. For Ed and Carol Kahler and family, Gaywinds Farm, Keymar, MD, that dream came true at the 32nd National Jersey Jug Futurity held Nov. 9 at the Louisville Exposition Center.

Gaywinds Saint Crissy EX-92 topped a class of 52 of the country's best 3-year-old Jersey cows to win The Jug. For the Kahlers the win was especially sweet for several reasons.

"Crissy" represents the fourth generation of Gaywinds Jersey breeding.

She is the first cow from Maryland to ever win the show.

And, the Kahlers took home a first place purse of $1,287, a silver replica of a Jersey Jug, a silverware set for the Mary Leas Memorial trophy, another set for having bred the winner of the class, and will have their names inscribed on the Vauclause Farm Trophy.

Not a bad return on the $44 they had invested in her nomination fees.

Crissy is owned by the youngest Kahler son, Jack, a high school senior who plans to return to the family farm after graduation. Crissy is out of an Excellent Golden Faith daughter who has two Excellent full-sisters. Her granddam was an 88 point Generator daughter. Crissy can milk as well as show. At 2-06 she made 14,830 pounds of milk and 705 pounds of fat in 365 days.

Although Crissy had been showing well all season, daughter Pat Kahler Beachy, who manages the Kahlers 160 head combined Holstein and Jersey herd, stated that the win was a real surprise. Fresh just before the show in Harrisburg, Crissy went down the ketosis, but recovered well enough to place third in a strong 3-year-old class there.

Fully recovered and in full bloom, the Kahlers had many pre-show admirers that picked their cow as the winner. Still, they considered it all just shear speculation.

Carol remembers that the judging was nerve racking. Judge Larry Schirm and associate judge David Dickson selected their top 12 cows and placed them randomly off to one side of the ring. They then placed the remainder of the class.

Returning to their original 12, they placed them 12th through 6th. The top five cows were then excused to be milked out. At this point Carol was hoping to be in the top three.

When those five cows returned, judging started from 5th to first. The entire Kahler crew broke into applause as fellow Maryland Jersey breeder Wayne Stiles, who was leading Crissy, turned her into the top spot.

The Kahlers routinely enter all their Jersey calves in their respective futurities each year. They feel this show is good promotion for their farm and for the Jersey breed. They also participate in a number of other AJCC programs including TPE.

Their Gaywinds prefix has traveled the tanbark circuit with both their Holsteins and Jerseys. All their children, Jim, Pat, Kathy and Jack, have shown cows and remain active in dairying.

The Kahlers have sent 15 Holsteins bulls into AI service and presently have one cow under contract. Their Holsteins have a RHA of 17,500 pounds of milk and 673 pounds of fat. Their Jerseys average 11,168 pounds of milk and 602 pounds of fat.

The herd is fed a total mixed ration plus hay. The Holsteins and Jerseys are housed and managed together, but are tested separately. Ed Kahler finds that the two breeds manage well together, but that his Jerseys will get fat pushing right up to the feed bunk with their Holstein stablemates and then eating their fill.

Kahler doesn't see any one breed as the answer to dairying's profitability. He states, "Dairying is more of a business today than ever before. What you do with your cows is more important than the breed of cows you have. We don't have a split herd just for the butterfat production. You need to look at what's making you money. Our Jerseys are good feed converters."

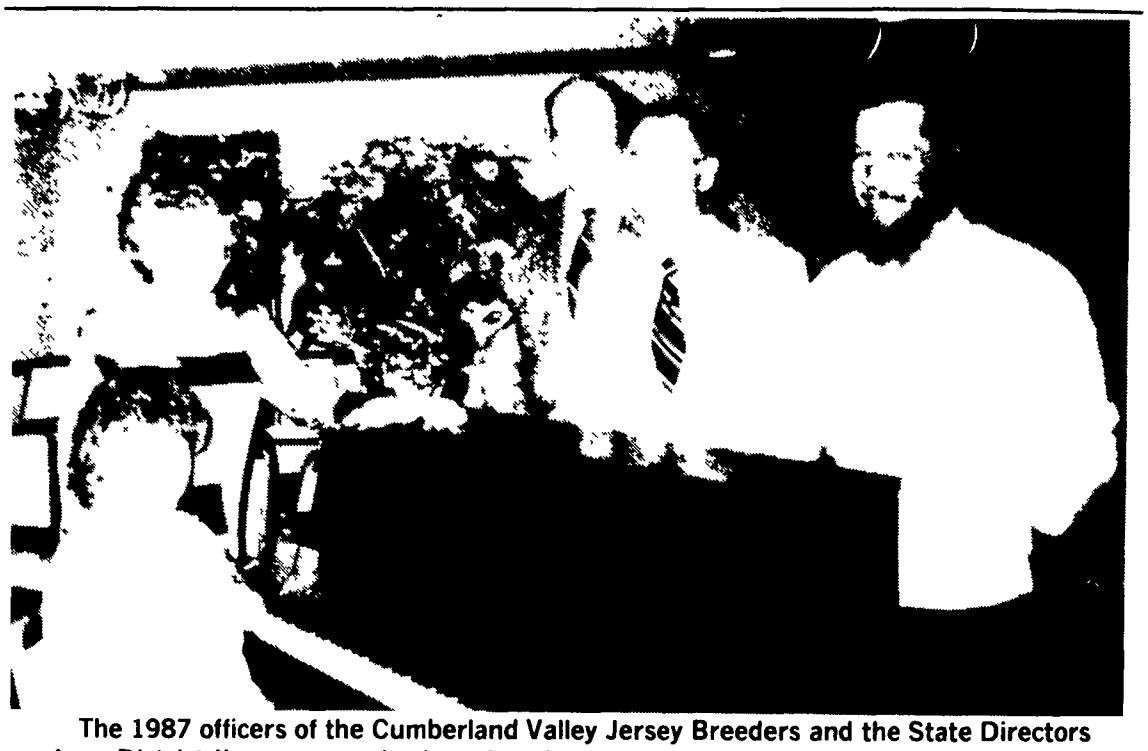
Added Carol, "I had Jerseys when we got married. We like them and we have always liked associating with Jersey people. We enjoy Registered cattle and showing. Without that, dairying would get kind of . . . well, boring."

Even as they were lining up for Danny Weaver's show winner picture following the class, they started to receive offers from prospective buyers for Crissy.

They continue to consider some offers, including one to export her to Brazil. If the price is right, the Kahlers may part with Crissy or another member of this high quality family, but they'd really rather not. What they would like to do is to milk her another lactation and then start to flush her. She is currently safe in calf to Squire.

As for their plans in the immediate future, you can bet that the Kahlers have been busy filling out their nominations for the 1989 Futurity. The nominations were due into the American Jersey Cattle Club not later than December 31st.

Gaywinds Saint Crissy was the winner of the 1986 Jersey Jug Futurity. Shown here are left; Molly Stevens, Susie Heath, David Dickson, Larry Schirm, "Crissy," Wayne Stiles, Pat Kahler Beachy, Carol Kahler, Jack Kahler and Cherie Wamsley.



The 1987 officers of the Cumberland Valley Jersey Breeders and the State Directors from District II were recently elected at the group's annual holiday meeting. In front of the piano, seated, Julie Martin, secretary, standing, Florence Robinson, treasurer. Behind the piano, left: Lester Martin, vice-president, David Robinson, District II state director, and William Dietrich, president and District II state director.

Carol Kahler with her homebred winner of the 1986 Jersey Jug Futurity, Gaywinds Saint Crissy, EX-92, who is housed with the other cows.

Cumberland Valley Jersey Breeders Elect Officers

BY GINGER SECRIST MYERS
Adams County Correspondent

CHAMBERSBURG — The Cumberland Valley Jersey Breeders held their annual holiday meeting recently at the Lighthouse Restaurant, east of Chambersburg. Over 55 Jersey breeders and agri-business representatives gathered for the evening program which included a family-style meal, business meeting, and a Christmas carol sing.

Highlights of the business meeting included the election of officers and state directors for the coming year. Those elected were: William Dietrich, president; Lester Martin, vice president; Julie Martin, secretary, and Florence Robinson, treasurer. William Dietrich and David Robinson were both re-elected to the Pennsylvania Jersey Cattle Club Board as Directors from District II

The group unanimously voted to again sponsor the CVJB July 4 Jersey Sale. This year's sale will again be held at the Shippensburg Fairgrounds. The main objective of the sale is to provide buyers with a source of quality Jerseys and to help meet the demand for Jersey breeding stock in this area. The sale committee will include: Bill and Susan Dietrich, Lester and Ruth Martin, Ted and Carolyn Small, Dave and Florence Robinson, and John and Ginger Myers.

State Director Bill Dietrich reported that the state production awards criteria have been revised for 1986. Only 100 percent Jersey herds will be considered for the high herd awards in each herd size category; three times a day milking herds will have their herd averages adjusted to two times a day milking levels for comparison. Individual cow records will be compared on a CY$ basis for competition in the individual high cow awards.

State Field Representative Florence Robinson encouraged members to get their 1987 membership payments in to her as soon as possible. Membership dues to the PJCC are $10 per family plus 10 cents per milking animal. The 10 cents per milking animal is contributed to the youth fund. Membership dues should be sent to Florence Robinson, 9269 Mentzer Gap Rd., Waynesboro, PA 17268.

Robinson also announced that the 1987 PJCC State Meeting will be held in the Lancaster area on March 27 to 28, 1987.

The State Bred Heifer Sale will be held April 11, 1987 at the Mercer 4-H Park. Anyone interested in consigning to this sale should contact Florence Robinson or Bred Heifer Sale Chairman, John McConnell.

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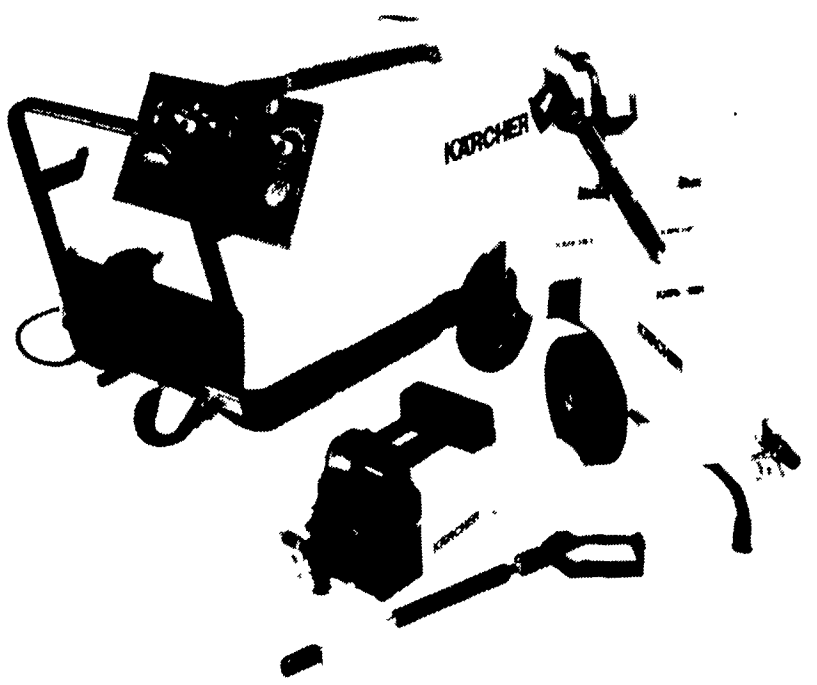

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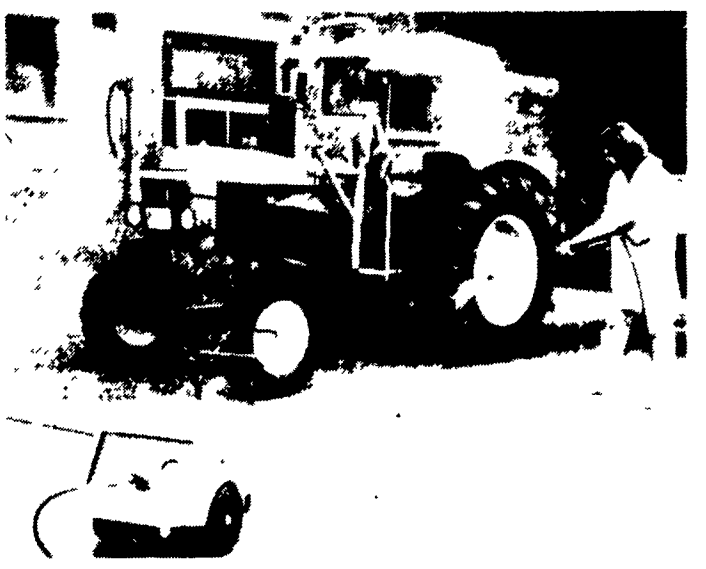

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First Half Of 1987 Grants

Local Dairy Promotions Net $22,254 In Matching Funds

HARRISBURG — What does a June baby in Adams County have in common with a giant banana split in Tioga County?

Both are featured in local dairy promotions awarded matching funds by the Pennsylvania Dairy Promotion Program, according to Advisory Board Chairman Jim Harteis of Ebensburg.

The Cambria County dairyman announced that 30 local committees have been voted $22,254.50 for 111 promotions during the first half of 1987, ranging from a "fun run" for children in Mifflin County to an osteoporosis seminar sponsored by the Penn State Dairy Science Club.

The first baby born in June Dairy Month will be welcomed with gifts and publicity by committees in Adams, Blair, Mercer and Warren Counties, he said. Giant banana split promotions are planned by Mercer as well as Tioga County dairy promotion committees.

Harteis reported that Lancaster County Dairy Promotion Committee received the largest grant, $4,537.25 in Pennsylvania Dairy Promotion Program's matching funds. All but $790, however, will be used to purchase a "milk wagon" to sell milk, ice cream and other dairy products.

Bradford County Dairy Promotion Board — Newspaper advertising; radio advertising, $500.

Butler County Dairy Promotion Committee — Radio advertising; mall promotion, $325.

Clarion-Venango Dairy Promotion — Mall promotion, Cranberry Mall; mall promotion, Clarion Mall; school promotions, $350.

Clarion County Holstein Club — Radio advertising, $175.

Crawford County Dairy Princess Committee — Mall promotion; supermarket promotions; radio advertising on two stations, $180.

Cumberland County Dairy Princess Committee — Radio advertising, $150.

Dauphin County Dairy Princess and Milk Promotion Committee — Radio trivia contests on two stations; poster contest in elementary schools, $200.

Erie County Dairy Princess Committee — Mall promotion, $272.36.

Franklin County Dairy Promotion — Mall promotion, Red Cross Bloodmobile, give milk to donors; Armed Forces Day at Letterkenny Army Depot, $475.

Huntingdon County Dairy Promotion Committee — Billboard advertising; newspaper advertising; radio advertising; mall promotion; store promotions; school promotions, $2,075.

Jefferson County Dairy Promotion Committee — Samples, printed materials, other supplies; June Dairy Month promotion; cow costume; signs to identify promotion sponsors; radio advertising, $875.

Lancaster County Dairy Promotion Committee — Supermarket promotions; school promotions; cow coloring contest; mall promotion; purchase "Milk Wagon" to sell milk and ice cream; milk carton float contest, $4,537.25.

Lebanon County Dairy Promotion Committee — Distribute milk at Children's Fair; radio trivia contest; hospital street fair, sell hand-dipped ice cream; placemats, $207.76.

Lycoming County Dairy Association — National Agriculture Day mall promotion; school promotions; Dairy Day at Mall in June; supermarket promotions, $500.

McKean County Dairy Promotion — Mall promotion; school promotions; milk spotters give dairy product certificates away; placemats; radio advertising, $775.10.

Mercer County Dairy Promotion Committee — Radio advertising on five stations; school promotions; mall promotion; supermarket promotions; giant cheese sandwich promotion; large banana split at mall promotion; cow coloring contest in conjunction with McDonald's; first baby in June contest; dairy poster contest in schools, $1,000.

Mifflin County Dairy Promotion — Kid connection promotion; "Fun Run" for kids; purchase milk dispensers; dairy promotion banner; cow head costume; June Dairy Month spectacular, $1,697.50.

Penn State Dairy Science Club — Osteoporosis seminar on campus; Dairy Day at the mall; newspaper ads; print posters for use in on-campus promotions, $230.

Potter County Dairy Promotion — Radio advertising, school promotions; placemats, $129.03.

Schuylkill County Dairy Promotion Committee — Radio advertising, newspaper advertising; store, school, and restaurant promotions; supplies for mobile dairy sales unit, $1,652.50.

Somerset County Dairy Promotion — Mall promotion for June Dairy Month; radio advertising on three stations; placemats for use during June Dairy Month; ice cream parties for local businesses, $1,050.

Southwest Dairy Promotion — Program at Ruffsdale Elementary school; program at Southmoreland Elementary School; McDonald's promotion, $230.

Tioga County Dairy Promotion — School promotions; ice cream bonanza with giant banana split or sundae; float for use in parades, $275.

Warren County Dairy Promotion Committee — Mall salute to agriculture; gifts for first baby in June; giant ice cream sundae at summer festival, $275.

Wyoming-Lackawanna Dairy Princess Committee — Radio advertising on two stations; school promotions; cow coloring contest, $739.50.

National Grange Sets Family Farm Policies

CORTLAND, NY — Stressing the need to preserve market-oriented agriculture, the National Grange held its 120th annual convention in Madison, Wisc., recently. The organization called for a reorientation of government national agricultural policy aimed at assisting traditional moderate-sized family farms.

The National Grange noted that the pattern of farm ownership continues to squeeze out traditional family operations in a shift toward a bi-polarization of agriculture. National Grange policy calls for the phasing out of government program benefits to larger farm units (which do not need government payments and/or subsidies to compete and survive) as well as to part-time farmers who do not rely upon agriculture as their principal source of income.

Currently, 5 percent of farms with sales exceeding $200,000 account for 50 percent of production. Another 71 percent with sales under $40,000 (the overwhelming majority of which are part-timers with off-farm employment) account for 12 percent of production. Being squeezed in the middle are the 24 percent of traditional full-time family farms which account for 38 percent of production. Though the Treasury disbursed tens of billions into farmer payments to offset low prices, nearly two-thirds of 1985's deficiency payments went to the largest 5 percent of farms at the same time tens of thousands of traditional family farms collapsed.

National Grange Master Edward Andersen stated that "farm credit problems must be dealt with immediately." Grange policy calls on Congress and the Administration to restructure farm loans not to reduce loan interest rates.

"Loans must be restructured to reduce the annual payment during this time of very low farm income," explained Andersen. National Grange will place major emphasis on farm credit issues in the 100th Congress.

New Grange policy calls for the Farmers' Home Administration to require Soil Conservation Service approved conservation practices and payment of all applicable local property taxes on land they currently hold in inventory. Grange policy also called for keeping land in the Farmers' Home inventory out of production to prevent creation of additional surpluses.

National Grange also called on the Federal Crop Insurance Corporation to speed up processing and payment of claims and for the Commodity Credit Corporation surplus and stored grain to be made available to limited resource farmers in disaster stricken areas at no cost, based on need.

Marketing loans remain the best route towards keeping American production competitive on world markets, indicated National Master Andersen. "Those who support mandatory production controls to balance supply and demand to reach 90 to 100 percent of parity must also accept that there will be no foreign sales of agricultural products," he explained.

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Jim Kerr Wins State Award

(Continued from Page A1)

academic credits for vocational courses teaching academic skills such as math and science.

"I feel real good about it," Kerr said of the award. "Agriculture must receive some recognition that is positive because we've been receiving so much negative publicity in the last several years."

Kerr said he belives many people don't support vocational education because they don't understand it. But as a leader in his field, Kerr says he believes students graduating from vocational programs have a lot of job opportunities awaiting them.

The education they receive in vocational programs prepares them for employment by teaching skills through doing, and learning to give a day's work for a day's pay.

Kerr has been teaching vocational agriculture since 1967, when he began his career at Parkland High School. He later taught at Warwick High School for a year, before moving to Lancaster County Vo-Tech Schools in 1976. In addition to his position as a horticulture teacher, Kerr owns a nursery and raises Christmas trees.

He is a member of the American Vocational Association, the National and State Vocational Agriculture Teachers Associations, and the Pennsylvania Vocational Association. He is past president of the Lancaster County Vocational Agriculture Teachers Association and is a member of the FFA Foundation board of trustees.

Kerr and his wife, Virginia, live in Peach Bottom with their two sons, James Michael and Michael Patrick.

Md. Conservationist Wins Chesapeake Bay Award

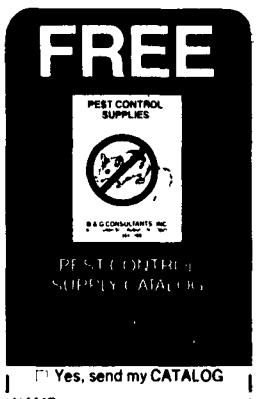
ANNAPOLIS, Md. – Donald L. Spickler, past chairman of the State Soil Conservation Committee and president of the Maryland Association of Soil Conservation Districts has been chosen as a recipient of the 1986 Chesapeake Bay Conservation Award in the Agricultural category. The Awards program, co-sponsored by the DuPont Company and the Izaak Walton League of America, annually honors individuals, groups, businesses and municipalities that have made an outstanding contribution to the protection and restoration of the Chesapeake Bay.

The award winners are chosen by a committee composed of leaders in the conservation movement who have been instrumental in working towards a cleaner, healthier Bay.

Don Spickler has served conservation in several capacities. He has been district supervisor of Washington County Soil Conservation District for 15 years. First appointed in 1971, he has served as chairman or vice chairman of the board for most of that time. Spickler has also served as an agricultural advisor on the Citizens Advisory Committee to the Chesapeake Bay Programs Executive Council, and is on the board of directors of the National Association of Conservation Districts.

A member of SSCC, Maryland's State Soil Conservation Committee since 1974, Mr. Spickler served as chairman from 1982 to July 1986. Currently serving as president of the Maryland Association of Soil Conservation Districts, Spickler served as first vice president from 1979 to 1985. He has served on the board of directors since 1971.

The Izaak Walton League of America Awards Banquet and ceremony will be held February 19, 1987 at the Smithsonian Natural History Museum in Washington, D.C.



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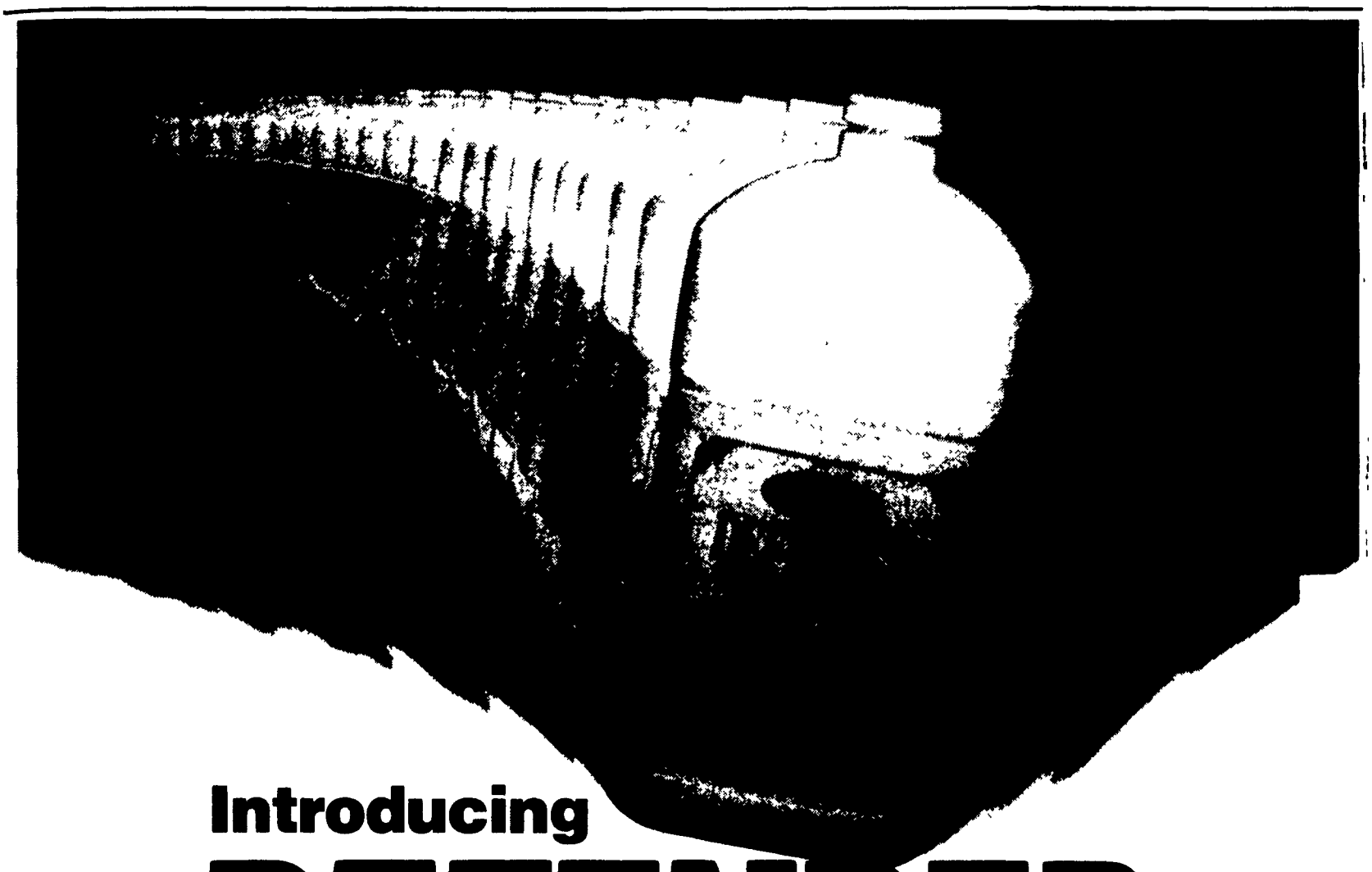

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Lancaster Mennonite High Students Assemble Desk

BY WELBY LEAMAN

How can you get two $7,000 disk assemblies put together free of labor costs? Ask some high school students to do it as a class project.

Approximately 20 students from Lancaster Mennonite High School recently put together two disk assemblies as a project for the welding and agricultural mechanics classes. Led by agricultural sciences instructor Lehman Metzler, the students spent three weeks working on the assembly of the Krause Rockflex Dick Harrows.

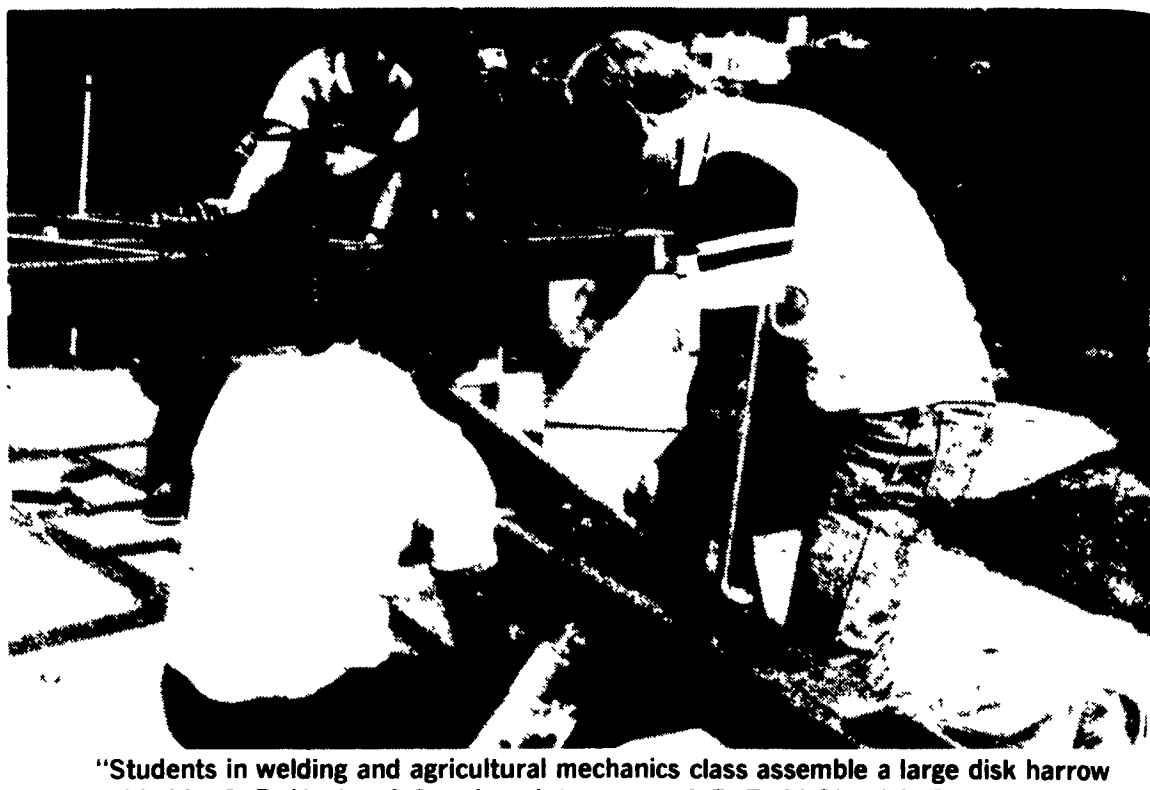
C. B. Hoober & Son, Inc., Intercourse, provided the assemblies, and LMH students donated the labor involved in putting them together.

Metzler says that the project was important because of the leadership and cooperation that were fostered as the students worked together in assigned groups.

The students agree that the project was a valuable experience. "It was a great educational, agricultural benefit," senior Shawn Garman says.

The students assembled the disks separately and then attached them to the main frame. When the equipment was fully assembled, it was returned to C. B. Hoober & Son, Inc.

Richard Bomberger, part owner of C. B. Hoober's, says that his company has provided many schools with equipment for agriculture class projects — projects that give students good, hands-on experiences.



"Students in welding and agricultural mechanics class assemble a large disk harrow provided by C. B. Hoober & Son, Inc., Intercourse. L-R: Todd Gingrich, Dave Herr and Randy Sauder."

Franklin Dairy Day Slated

CHAMBERSBURG — The annual Franklin County Extension Dairy Day will be held on Tuesday, Jan. 6, 1987 at Kauffman's Community Center. Philip Wagner, extension dairy agent, indicates that dairy farm personnel management and dairy heifer nutrition will be the primary topics covered.

A panel of four dairymen will discuss how they manage their dairy operations for profit. Penn State Extension specialists Jud Heinrichs and John Brockett will be program speakers.

Agri-business firms that work with dairymen will co-sponsor the educational event and will have exhibits and representatives present. Dairymen are invited to come at 9:15 a.m. to visit the exhibits. The formal program begins at 9:45 with adjournment scheduled for 2:45 p.m.

For further information contact the Franklin County Extension Office at 717-263-9226.

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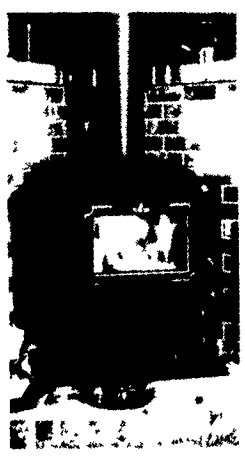

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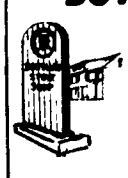

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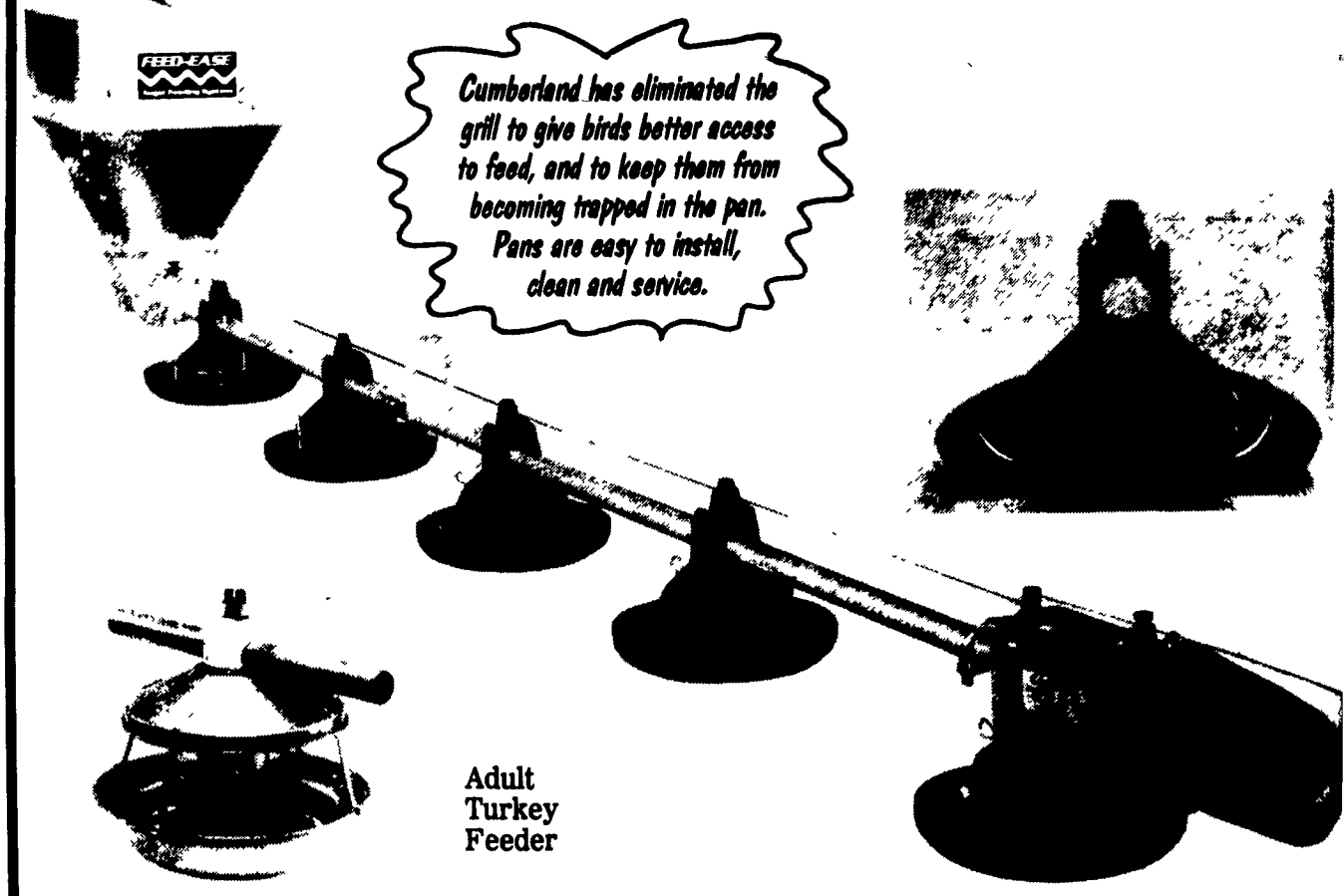
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Keystone Shepherds Symposium

(Continued from Page A1)

health was practicing veterinarian, Dr. G.F. Kennedy, also an active working member of the Pipestone Sheep Project. Dr. Kennedy manages a flock of purebred Rambouillet and Dorset ewes. The areas of concentration Dr. Kennedy spoke of included preventive health practices for the lambing ewe and the newborn lambs and basic skills required for being your own "doctor" during those most unpredictable moments. Treatment and prevention practices were also covered on some major sheep diseases.

On the topic of foot rot, a major problem among todays sheep flocks, Dr. Kennedy stated that if not properly taken care of many sheep may be lost. The three important environmental factors that must be present for the two foot rot bacteria to live include a reduced oxygen supply, which may be caused by a buildup of manure on the foot; a temperature of 50 to 70 degrees fahrenheit, and the presence of the bacteria itself. Prevention and treatment techniques Dr. Kennedy discussed included the essential vaccine ***Bacteroides Nodosus.***

It is also important to sort the flock and cull those sheep with chronic lesions, while the noninfected sheep are being kept on a clean pasture. Other methods of treatment discussed were the immediate treatment of overgrown feet and the installation of foot baths. The additon of zinc sulfate to the sheep's diet prior to the infection season has also proved to be beneficial in preventing an outbreak of foot rot as well as vaccinating against this harmful bacteria to prevent its occurence.

Forage Programs

Dr. Sid Bosworth, Pennsylvania State University, Extension agronomist and Tom Calvert together presented the audience with valuable information concerning sheep forage programs. Dr. Bosworth concentrated on "Establishing and Managing the Brassicas as a Sheep Forage." Many years ago man planted the brassicas and took them to the sheep, today's concept has changed in that, the sheep are now going to the brassicas.

Brassicas are used by today's modern shepherd to extend the grazing season, as a supplemental feed for the high producing animals in the flock as well as for flushing ewes. Not only are brassicas beneficial to the animal, but they help in reducing soil erosion, and give the animal firm footing when the ground is soft. Brassicas also seem to reduce insect problems.

Of the four species of brassicas there are two that have a short growing period and two that have a long growing period. Having the short growing period are the rape and turnip. These two species have a maximum growth period of 90 to 100 days and yield approximately three to four tons of dry matter. The kale and swede are in the long growing period. Kale's maximum growth period is approximately 180 days and five to six tons of dry matter can be yielded.

Dr. Bosworth suggested that to establish brassicas the farmer must first select a site that is well drained since brassicas don't grow well in damp areas. The soil should have a pH of 6.0-6.5. The desired grazing time is directly related to the seedling period. If the desired grazing time is August or September then the seedling period is in the spring; when grazing in October or November the seedling period is during mid Summer. If the brassicas are in the seedling stage by late summer they will have enough time to be ready for grazing in the late fall or early winter. Brassicas are an excellent form of very lush, low fiber forages for sheep today.

Sheep Nutrition

Harold Harpster, animal scientist, spoke of just how nutritionally versatile sheep are. A goal of today's shepherd should be to have a 100-pound sheep 100 days from birth. This can be attained with support from the industry's programs, products and people.

Mr. Harpster stated that, "We must be efficient in order to move sheep on the market in comparison to the other red meat industries."

Optimum versus maximum performance was the main area of concentration that Harpster presented to those in attendance. Roughages such as haylage, silage and alfalfa hay should be well balanced with corn which is high in energy and is economically wise. Other important dietary components, include concentrates, sorghum, barley, corn, wheat, oats and rye. It is important to remember that lambs can be fed higher roughage levels than cattle and still have a maximum gain.

Looking into the future the shepherd may have to consider new growth techniques. Such growth techniques include growth stimulants, growth hormone and growth hormone releasing factor. Studies to date show that with these futuristic techniques sheep have resulted in gains of 1.10 pounds/day, or an increase of 1.4 percent over normal growth.

In order to decide which feeding program will achieve optimum growth, today's sheep producer must look at the current market demands.

Brenda Fox (left) of MTS Travel, discusses the upcoming Australia and New Zealand tour with 1987 Lamb and Wool Queen Gwendolyn Gray.

Sheep Housing

Mike Caskey, Pipestone Sheep Project, spoke of some of the current sheep shelters, feeders, equipment used by todays serious sheep breeder. In order to have a healthy producing flock of sheep they must have proper shelter from the elements. Many of the sheep breeders often utilize older buildings before building a brand new facility.

One option in utilizing an older building, according to Caskey, is to have an expanded metal floor installed. Although this technique may not be successful for young lambs it is exceptional for the well started lamb. Caskey stated that if the temperature inside these buildings is kept at 32 degrees fahrenheit fewer health problems will occur.

The most ideal feeding system is the 16-foot feed bunk. A farmer is able to feed hay and grain in this unit. Not only is the system the most ideal feeding mechanism, it is versatile and economical as well. Two other feeders discussed included the five-sided feeder and the six-10-foot fence line feeding panel.

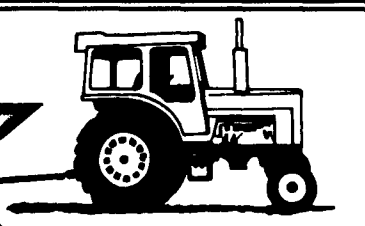
Caskey stressed the importance of "trying to minimize labor without increasing the expenses."

Those who attended the symposium were given the chance to receive information on lamb and wool promotional and educational materials, wool crafts, sheep fencing, handling equipment and facilities, computer programs, nutrition, marketing, and health products through the many

(Turn to Page A39)

SAFEMARK

Big Springtime Farm Tire Sale



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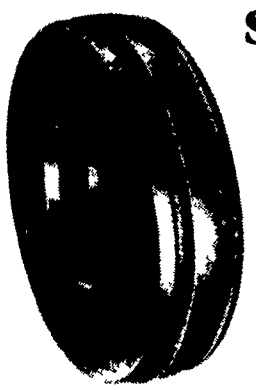

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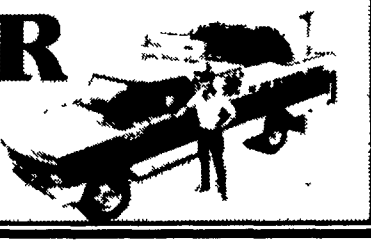

No-Till Conference

(Continued from Page A1)

production costs rather than simply discussing ways to raise yields.

And one of the best ways to reduce production costs is to adopt no-till methods, said Penn State Extension economist Bill Waters.

Using figures gleaned from statewide Corn Club data, Waters compared the economics of conventional tillage with no-till and minimum-tillage methods. One of the most significant cost savings realized from no-till farming was the result of fewer trips across the field. While Corn Club participants logged an average of 4.7 operations on their no-till (NT) fields, minimum-till (MT) and conventional tillage (CT) required 6.6 and 7 operations, respectively. No-till's reduced number of field operations resulted in lower hours per acre required to produce a crop: NT 2.3; MT 2.9; CT 3.8.

Since fewer field operations result in lower machinery costs, no-till's average machinery costs were slightly more than one-half the costs associated with conventional and minimum tillage.

In the final analysis, the per-bushel cost of getting a bushel of corn from the field to the point of storage was $1.58 for no-till, $1.70 for conventional tillage and $1.74 for minimum tillage. "In labor and net return, no-till is clearly the most cost effective," said Waters.

The conference also feature experts from Virginia, Maryland and Illinois. Harlan White, of Virginia Polytechnic Institute, discussed no-till forage establishment. Seeding forages into sod, behind summer annuals or into small grains can all be effective techniques if careful attention is paid to establishing a favorable environment for the seedling, he said.

The University of Maryland's Ronald Ritter addressed no-till weed control, noting that the particularly worrisome weeds include the annual grasses, triazine-resistant pigweed and lambsquarters and the deeply rooted perennial weeds such as Johnsongrass and Canada thistle.

An early preplant herbicide application can be particularly important for control of annual grasses during a dry year, he said, since early emerging weeds rob crops of much needed moisture.

Sprayer expert Thomas Reed of Wheaton, Ill., was on hand to introduce farmers to the newest methods for getting chemicals on the field. Closed injection systems may be the wave of the future he said, since chemicals applied this way are not exposed until they come in contact with the intended surfaces.

Discussing corn diseases associated with conservation tillage systems was Penn State plant pathology professor John Ayers. The specialist noted that one of the most common problems to arise in no-till fields is gray leafspot. Characterized by rectangular lesions limited by the corn leaf's veins, gray leafspot "wasn't a problem in the Mid-Atlantic region until we went to leaving debris on the surface," Ayers said. Options available to the farmer for controlling the disease include plowing the debris into the soil, planting resistant hybrids, or rotating to other crops. High levels of triazine herbicides in the soil can limit this latter option, he pointed out.

Other disease problems include northern corn leaf blight, a disease that causes boat-shaped lesions, and eyespot, characterized by round to oval lesions on the leaves. This latter disease is most evident in northern Pennsylvania and New York, Ayers said.

The program also included a panel discussion featuring John Stoner of Mercersburg, Russell Cassell of Hummelstown and Dan Baugher of Taneytown, Md. All three farmers rely heavily on no-till methods to produce their grains and forages.

According to conference chairman Lynn Hoffman, about 1,000 farmers and agribusinessmen attended this year's thirteenth conference.

Three farmers discussed the no-till techniques they employ on their home operations during a panel discussion at the no-till conference. From left are Russell Cassell, Dan Baugher and John Stoner.

Former USDA Secretary of Agriculture Earl Butz was the featured speaker at the Mid-Atlantic No-Till Conference held on Dec. 17.

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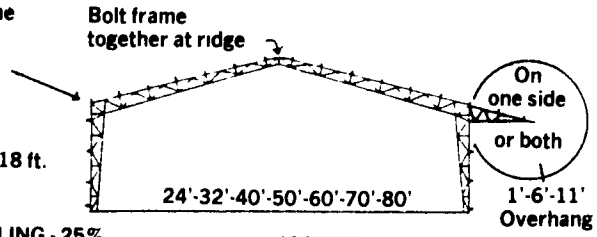

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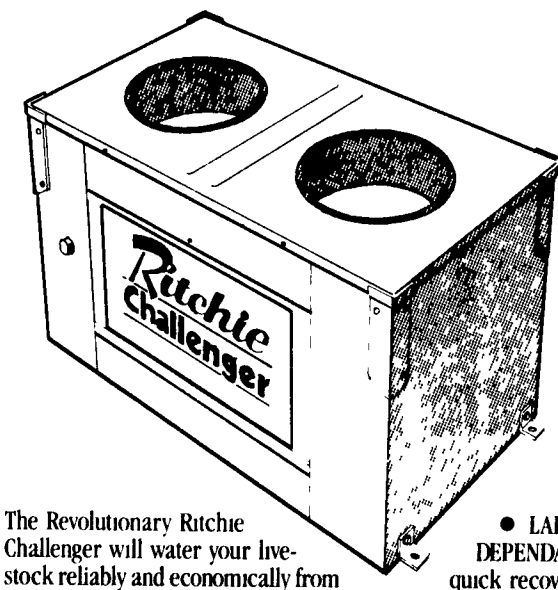

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Agway President Has Roots In Stroudsburg Farm

BY ED SHAMY

SYRACUSE — William Hiller must have been a busy teen-ager. He grew flowers and vegetables on a small produce farm in Stroudsburg, Pa. with is parents, brother and sister. When his father served in the Philadelphia Navy Yard during World War II, William hitched a horse to his wagon and toted his foods to a farmers' market in downtown Stroudsburg, and guided the wagon through car and truck traffic to delivery fresh foods to some of the borough's busiest hotels.

He was also responsible for stoking the coal stove that sent warm currents of water beneath the bedding plant tables in the family's greenhouse. At Stroudsburg High School, Hiller bought day-old chicks and sold pullets and dressed broilers.

Hiller, now 58, is still busy, but he's a long way from the Stroudsburg farm that has since yielded to development and to the construction of Interstate 80.

He's the president and chief executive officer of Agway Inc., one of the largest farmer cooperatives in the country and among the 100 largest companies of any sort in the United States.

Recently re-elected by cooperative members to the post he has held since 1981, Hiller took the time in a recent interview to reflect on his own past and on the situation that faces farmers throughout the northeastern United States.

Hiller said he sees that situation changing, though not necessarily for the worst.

Perhaps it is a bit of the Stroudsburg vegetable merchant still alive and well within him that prompts Hiller to focus on the marketing challenges facing farmers in the 12 northeastern states that Agway covers.

While the demand for milk may not increase dramatically in the states from Ohio and Maryland to Maine, consumers are showing increased interest in specialty products such as yogurt, hard cheeses and cottage cheese, according to Hiller.

Dairymen and processors must be willing to accomodate those market shifts if they are to

William Hiller

capitalize on their location closest to some of the nation's largest markets.

That proximity, a curse when production costs are tallied and compared to producers in the Midwest, is a blessing when transportation costs are considered, he said.

Agway, on the advice of its economists, remains bullish on agriculture in the Northeast.

"Our economists feel we can be competitive," he said. "But we've got to work at it."

Agway is working at it. A 350-head dairy herd and experimental farm in Tully, N.Y. enables the cooperative's researchers to examine the effects of the Bovine Growth Hormone. It was on the farm that Agway technicians studied the effects of stray voltage and how to prevent it on dairy farms.

Test plots of new forage and grain crops are developed, while at Agway's laboratory in Ithaca, N.Y., specialists are busy developing new types of small animal feeds and dozens of other products that could help keep Agway's 101,000 members on top of their markets.

Keeping up with the changes in farming has kept Agway's directors busy since the cooperative was formed in 1964 and 1965 with the merger of the Grange League Federation, the Pennsylvania Farm Bureau and the Eastern States' Farmers exchange.

While many people know Agway's presence only by its grain elevators that dominate many small town skylines and by the more than 700 retail farm and home centers around the Northeast, the cooperative is far more diverse.

It operates an oil refinery in Texas and an orange juice plant in Florida, contracts with North Dakota farmers to grow sunflower seeds and does custom farm work.

Agway leases equipment and masterminds new computer software, offers insurance and financial services, erects farm buildings and controls Curtice Burns, Inc., a fruit and vegetable processor, and H.P. Hood Inc., a dairy product manufacturer.

"One of the reasons Agway has diversified is to reflect the changes in Northeastern agriculture," said Hiller.

Since he joined the Grange League Federation as a manager trainee in Montgomery, N.Y., in 1951, Hiller has seen the farm landscape change.

Farms occupy fewer acres in the Northeast, and they are growing either increasingly larger or smaller, leaving a void in the middle that most family farms once occupied.

"We've had to change our distribution system to be responsive to the needs of small, part-time farmers," said Hiller.

Agway is about ⅔ complete with a drive to create 100 new or renovated and expanded farm and home centers throughout the Northeast, according to Hiller.

But the history books are littered with the examples of farmer cooperatives that have grown too much, or too quickly, with improper management.

Hiller is aware of those ghosts.

"We don't expand — we don't grow – for the sake of growing," he said.

Eighteen active farmers comprise Agway's board of directors, and they hold management close to the cooperative's basic philosophy of keeping business closely tied to the needs of Northeastern farmers.

The oil investments help assure a flow of fuel and heating sources to farmers when oil exporting countries shut tight the valves leading to the United States, he cited as an example. Agway's insurance company is helping farmers obtain coverage in a market wary of liability that is tightening its rules. Financial and technical advice offered to members are filling in gaps that cooperative extension agents, hard pressed by deep federal budget cuts, are finding difficult to fill. The food processing companies Agway controls are guaranteeing markets for raw commodities.

The strategy seems to be effective.

Agway tallied $3.5 billion in sales in its most recent fiscal year. The cooperative was ranked by Fortune Magazine at the 95th largest company in America.

To continue in such heady company, Agway has its work cut out for it in coming years.

Hiller sees computers playing a more prominent role on farms, for accounting, livestock feeding, record keeping and temperature and atmosphere control, pest monitoring and equipment maintenance.

He believes milk and manure handling will be drastically changed by new technology.

Integrated pest management systems will play a more important role for farmers who are increasingly called upon to cut costs and to make peace with the growing orbit of suburbs around the cities. Reducing a dependence on chemical pesticides will become a primary goal, Hiller predicted.

Agriculture's service industry, directed squarely at on-farm work, will expand. Custom harvesting, spreading and spraying will become more popular as new equipment costs outstrip farmers' buying power, he said. Agway has already felt the demands for increased services in many of its areas. The trend is accentuated, he said, by the entry of the part-time farmer who is reluctant to invest heavily in specialized equipment.

Farmers will concentrate more on intensive land uses and specialty crops, he predicted. Sprawling dairy farms, in some areas, have already begun to yield to sheep and swine operations and to retail small fruits and pick-your-own vegetable operations.

But along with the increased specialization will come an increased awareness of marketing, as farmers limit their potential customers to fewer people willing to pay higher prices for products that may be a bit harder to find.

"Farmers have almost always concentrated 100 percent on producing," he said. "As I see the future, they're going to focus more on marketing. They might want to grow beets, but their customers might demand carrots."

Agway must reflect the trend by developing varieties and offering advice that will flourish in the Northeast, said Hiller, who holds a master's degree in agricultural economics from Penn State University.

"We have to work to keep our

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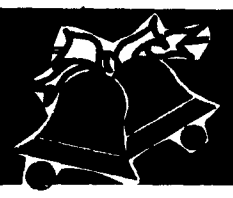

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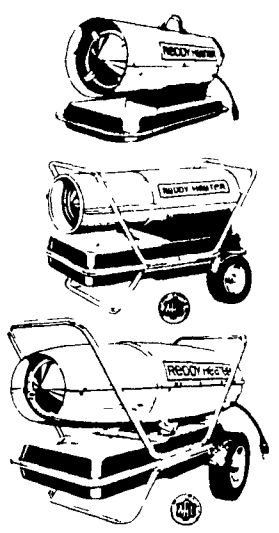

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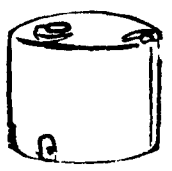
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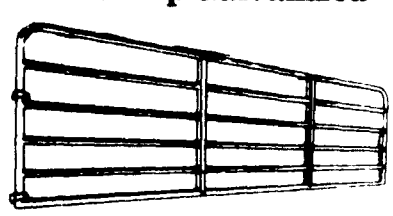
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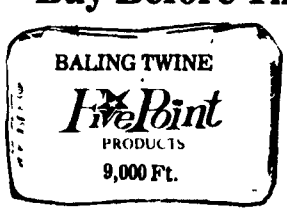

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NY Grange Seminars Aid Farmers With Tax Planning

CORTLAND, NY – Farmers from nearly a dozen counties attended the New York State Grange's first annual tax-planning seminars at three locations in early December. The seminars were designed to help producers understand the new tax reform law and to make financial decisions prior to the law's Jan. 1 start-up date.

According to NYS Commissioner of Agriculture and Markets Joseph Gerace, only 10 percent of New York's farms are solidly in the black and 25 to 40 percent are "holding on for survival," therefore, the Grange recognized that the future of some family farms depends on the operators' getting accurate information quickly.

Accountant Clyde Cook, State Grange tax advisor, prepared the four-hour seminars because the "simplified" tax reform act turned out to be not so simple after all. Because some of the changes become effective Jan. 1, State Grange felt a responsibility to provide all New York farmers with an opportunity to become better acquainted with the law, to have the opportunity to ask questions about the law's impact, and to make better financial decisions to minimize future tax obligations.

Producers attending the seminars in Cortland, Bath, and Harpersfield heard Cook explain that the tax reform law will affect them in three ways. First, the law changes tax rates, deductions and ground-rules for all individuals. Second, it changes general business provisions including corporate tax rates, investment tax credits and depreciation. Third, it changes tax credit and tax deduction regulations for specific agricultural provisions.

While briefly touching on the first two categories of tax changes, the Grange seminars focused primarily on the agricultural provisions. Using work-sheets and his specially prepared tax-planning manual, Cook discussed changes in capital gains, investment tax credits, advancing agricultural purchases, pre-productive period expenses, soil and water conservation deductions, prepayment of farm expenses and much more.

Producers who were unable to attend the session may obtain copies of the 25-page tax-planning manual for $3 to cover printing, postage and handling from TAX PLANNER, New York State Grange, 100 Grange Place, Cortland, N.Y. 13045.

Agway President

(Continued from Page A27)

members, our Northeastern farmers, competitive with the rest of the country, and the world," he said.

Northeastern growers face many uphill battles, including the public relations campaign they must mount to convince their urban neighbors that agriculture in the heavily populated region is viable and important.

"Northeastern agriculture does not gain headlines partially because our agriculture is more stable because of its diversity then the Midwestern grain orientation," Hiller said.

He added: People don't understand that the Northeast is important to national agriculture. It is a major producing area. Maybe the industry has not adequately communicated its presence."

Hiller remains intent on communicating his presence. He meets frequently with farmers, including a scheduled stop this week in Carlisle for a meeting of Agway leaders from Pennsylvania, New Jersey, Delaware and Maryland, to gather feedback on their needs.

And he always returns to his Syracuse headquarters with the reassurance that Agway is headed in the right direction by staking its future on Northeastern farmers.

"We're not pessimistic," he said. "We're optimistic on Northeastern agriculture. We're investing in it."

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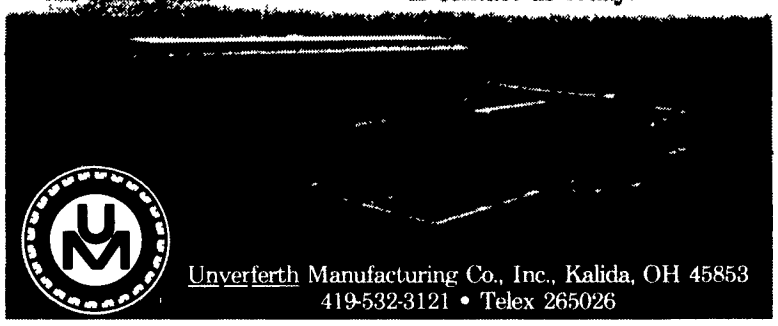

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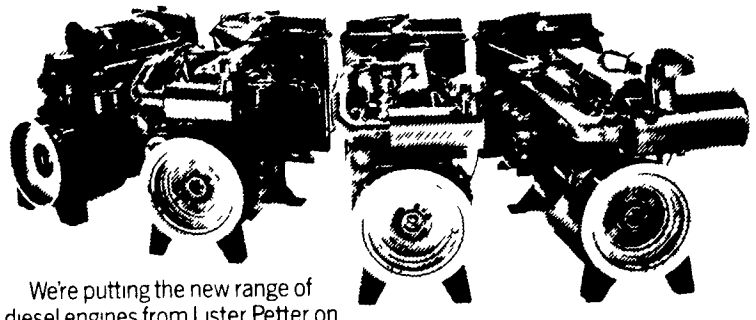

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Rumensin Aids In Bringing Heifers Into Milking String Quicker

MOUNT JOY — Rumensin, a feed additive which promotes growth, was approved for use on dairy heifers over a year ago. In the year since its approval, dairymen have successfully used rumensin in their herds. "There is very little investment for the return," Jeff Zechman, dairy nutritionist, said.

He noted that farmers can expect a 14 cent return for every penny invested. Zechman made these comments at a recent dairy seminar sponsored by White Oak Mills of Elizabethtown.

Heifers on rumensin enter the milking herd sooner by reaching breeding weight sooner. Consequently, the heifers provide a return on investment sooner, Zechman commented. The rumensin shifts more volatile fatty acids to propionic acid in the rumen, permitting the heifers to gain more energy for growth from the same feed.

Dairymen using low density diets, such as rained on hay, reap the most benefits of rumensin — an increase of 6 to 8 percent average daily gain, the nutritionist explained.

He cautioned against hitting a heifer too hard with the feed additive in the beginning. Excess amounts can throw the dairy animal off feed in the beginning. He noted the dose must be adjusted to the size of the animal.

"I think this is something we should look at," Zechman said. Keeping an unfresh heifer over 24 months costs the dairymen $3 per day. He explained that by bringing a heifer into the milking string sooner, dairymen will possibly net an calf and produced more milk in her lifetime. Also, since its introduction, rumensin has decreased dramatically in price.

The feed additive works in the stomach, eliminating withdrawal time and permitting feeding up to the time the heifer freshens. Zechman noted that rumensin can be fed as a supplement or mineral feed.

For feeding young calves, Zechman noted the importance of feeding colostrum within the first hour of birth. After the first hour, the calf's ability to absorb the antibiotics found in milk drops off rapidly. "The calf has no immune system when its first born. You want to get colostrum in it as soon as possible," he explained.

He recommends feeding colostrum for the calf's first three days. On day four, he suggests offering milk replacer at 1 percent of the calf's body weight. "Don't shift the amount fed around, that's a good way to give her scours," the nutritionist said.

Zechman noted that he prefers bottle feeding calves straight through to weaning as opposed to bucket feeding. When calves drink from a bucket, they tend to gulp the milk; this action could direct the milk into the rumen (instead of the abomasum) or into the lungs and cause scours or pneumonia.

The incidence of scours in young calves can be reduced by feeding a steady of amount of milk replacer with a steady of powder. "Its actually almost better to underfeed to prevent scours," Zechman said. The time of feeding should stay the same to keep the amount of milk in the abomasum constant. This also reduces the amount of stress placed on a calf; stress is a possible factor in causing scours.

Two Warren County Dairymen Honored

Two Warren County dairy farmers were honored last week for their contributions to their communities and to county agricultural organizations.

Robert Frey of Pohatcong Township was honored by the Warren County Soil Conservation District as the district's Cooperator of the Year.

Orrie Terpstra of Knowlton Township was recognized by the Warren County Board of Agriculture with the annual Distinguished Service Citation.

Frey maintains a 55-cow herd and farms the 379 acres he owns near Carpentersville. In 1985 and 1986 he installed more than 3,200 feet of underground pipe and 2,500 feet of terraces to combat erosion on some of his steep cropland.

He plans more conservation work and continues strip cropping and following conservation tillage methods on his farm.

Frey is president of the Warren County Planning Board and is a member of the Pohatcong Township School Board, the Warren County Solid Waste Advisory Council, and the Warren County Board of Agriculture.

His wife, Trudy, is active in Grange activities and the Greenwich Presbyterian Church. The Freys have two sons, Bruce and Rob.

Terpstra keeps 60 cows on his 330 acres in Knowlton Township, where he serves on the township committee.

He is chairman of the Knowlton Township Environmental Commission and a member of the township planning board and board of adjustment. He is a member of the Knowlton Fire Company.

Terpstra is also chairman of the Warren County Agriculture Development Board and the Agricultural Stabilization and Conservation Committee. He is a past president of the Warren County Board of Agriculture.

Terpstra, a native of The Netherlands, and his wife, Fran, have a daughter, Tammy.

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MMI President Elected To National Milk Producers Federation Board

STRONGSVILLE, Ohio — Dairy leader Herman Brubaker, West Alexandria, has been elected to the executive committee for the National Milk Producers Federation.

Presently Brubaker serves as the president of Milk Marketing Inc., the regional dairy marketing cooperative headquartered in Strongsville. Brubaker has been the MMI president since 1985. The election was held at the annual NMPF meeting.

With this election, MMI members will now have two representatives on the top-ranking NMPF committee. MMI General Manager Gordon Riehl is also a member of the committee.

Brubaker serves on the MMI board of directors and covers District 18 including Ohio counties of Darke, Preble, Greene, Miami, Butler, Warren, Hamilton and Montgomery.

Currently Brubaker also serves on the National Dairy Promotion and Research Board and is the president of Mid East United Dairy Industry Association, Marysville. Mid East is a member unit of the national UDIA, Rosemont, Il.

Brubaker farms in partnership with his sons, William and Charles, and milks 70 head. He has been dairying for 33 years and a member of a milk marketing cooperative for 30 years.

MMI is a 8,000 member dairy farmer owned cooperative encompassing an eight state midwestern area including Ohio, Indiana, Pennsylvania, Michigan, New York, Kentucky, Maryland and West Virginia. Last year MMI marketed more than 4.6 billion pounds or 547 million gallons of milk.

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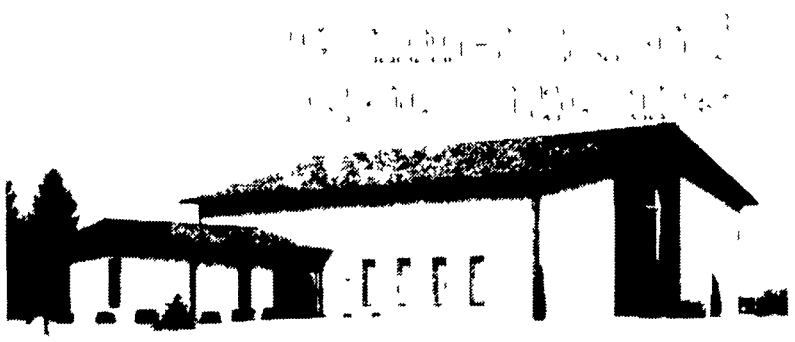

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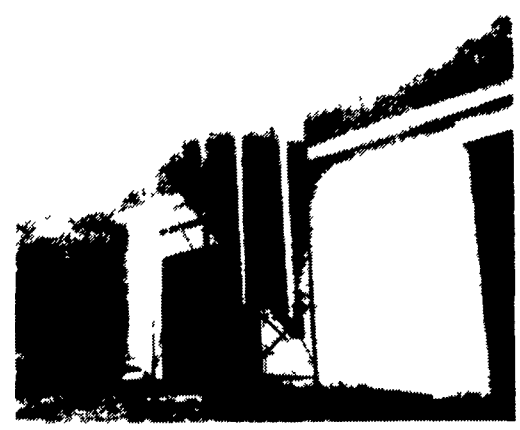

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Mandatory Supply Management: A Dairy Policy Option

Farm And Market Level Consequences Of Supply Management Programs

BY ROBERT E. JACOBSON
Ohio State University

As the previous articles have suggested, U.S. programs have always managed the supply of milk through the price mechanism.

Our objective was to gain some kind of a reasonable supply-demand balance, and the support price was adjusted up or down depending on whether milk was expected to be in short supply or in surplus.

But in the 1980s, the milk industry has been confronted with chronic surpluses that are larger and more costly than most people are willing to accept.

Embryo transplants, bovine growth hormone, iso-acid supplements and a number of other technological breakthroughs suggest that there will be increasing supplies of milk at relatively low costs. As a result, increasing attention is being directed to a mandatory supply management approach.

Given the background of the previous articles, this seventh and final article examines the farm and market level implications of a mandatory supply management program.

Farm Implications

Probably the stickiest elements of a mandatory supply management program come down to who holds title to the base and what kind of base transfer rules are in place.

Farm-level implications vary depending on how such rules are defined. For example, is title to base held by the dairy farmer (Canada) or is it assigned to the farm (Europe)? Can bases be transferred among dairy farmers (Canada), or is base transfer not permitted (U.S.--whole herd buyout base)? The usual view of supply management reflects the Canadian approach—bases assigned to the dairy farmer, and transferable.

A frequently voiced objective of dairy price policy is to "save the family dairy farm." Supply management has been promoted as a method to accomplish that purpose. But the Canadian version of supply management has neither slowed nor stopped the trend to fewer and larger dairy farms.

In the past decade, the number of dairy farms in Canada has declined by 44 percent, while the number of farms with milk cows in the United States has dropped by only 35 percent.

The Canadian experience does not mean, however that supply management will not help save the family dairy farm.

Part of the reason for Canada's continued dairy farm concentration is found in their rules for base transfer. Title to base is held by the milk producer, and he is free to sell his base or to purchase additional base from other milk producers. The net effect of these provisions has tended to encourage some producers to sell out and others to get larger.

Rules and Regulations

If we were to adopt a base plan in this country, we would not have to follow Canada's path.

We could establish rules in which the government essentially holds title to the base, and no base transfer among producers would be permitted.

The government would allocate base and reallocate base by prescribed rules. The base of a retiring producer would revert to the government. Such arrangements could slow the trend to fewer and larger dairy farms.

Assuming base transferability, bases take on substantial value because they represent a privilege to market milk and to receive a significantly higher price for the base amount of milk.

Therefore, the value of base becomes an asset in the farm balance sheet and an additional cost in the schedule of production costs.

With a supply management program, with its price and quantity specifications at the farm level, questions arise concerning the impacts on milk production efficiency and resource allocation. Without supply management, it is assumed that competitive market equilibrium prices adjust resources and encourage efficient milk production.

If bases are transferable under a supply management program, most of the questions concerning milk production efficiency and economic resource allocation are resolved. Dairy farmers would buy base to expand and sell base as they retire in many instances.

The question of allocating base to new producers must be addressed, but it poses no major problems if the total market is increasing. Knowing that the amount of milk that they can market at a desired price is fixed by the base, milk producers would shift their decision-making emphasis from that of growth and expansion to that of cost minimization for the quantity they can market.

If bases are not transferable, the efficiency questions become more critical. Higher cost producers would have very little incentive to exit from dairying and, in effect, would be subsidized by the higher base price.

Adoption of new technology would be slowed, and the entire industry would be less competitive. The burden of fine tuning the quota program in ways that would continue to invite progress and efficiency would be in the hands of government.

Regionalization would emerge as a major consideration in the adoption of a supply management program.

Historically, the use of Commodity Credit Corporation purchases of butter, cheese, and nonfat dry milk to support the price of producer milk has permitted us to view dairy price support as a single national program without significant regional ramifications. But mandatory supply management would force a change in that view. For example, Class I utilization ranges from less than 20 percent in the upper midwest to higher than 80 percent in the southeast.

If a quota program provided for a uniform cutback in supply across the nation, some areas would be short of fluid milk supplies while other areas would be affected very little. We have already observed some regional supply problems in the voluntary diversion and whole herd buyout programs.

Mandatory supply management would force regional differentiation.

(Turn to Page A35)

Market Implications

Most of the market implications of a mandatory supply management program are geared to the higher price level that the program would establish. While the demand for milk may be price inelastic, it still responds negatively to higher price levels.

The milk industry in the U.S. has enjoyed a remarkable increase in commercial demand in the 1980s, and it is reaching a new record of 135 billion pounds in 1986.

Some of that demand vigor is explained by the 15-cent per hundredweight promotion assessment, and some of it is explained by relatively low retail prices for milk and dairy products. Higher prices could dampen the recent strength in commercial demand and remind us again of the continuing substitution issue confronting the milk industry.

Since mandatory supply management could essentially be programmed to balance supply with demand, the problem with dairy surpluses would virtually disappear.

Government purchases of dairy products would occur only on a seasonal or sporadic basis, depending on what the program authorized. As a result, the costs of the dairy program, which have been in the $2 billion a year range in most of the 1980s, would be reduced to minimal levels.

Cooperatives

Many dairy cooperatives would face major operating adjustments under mandatory supply management.

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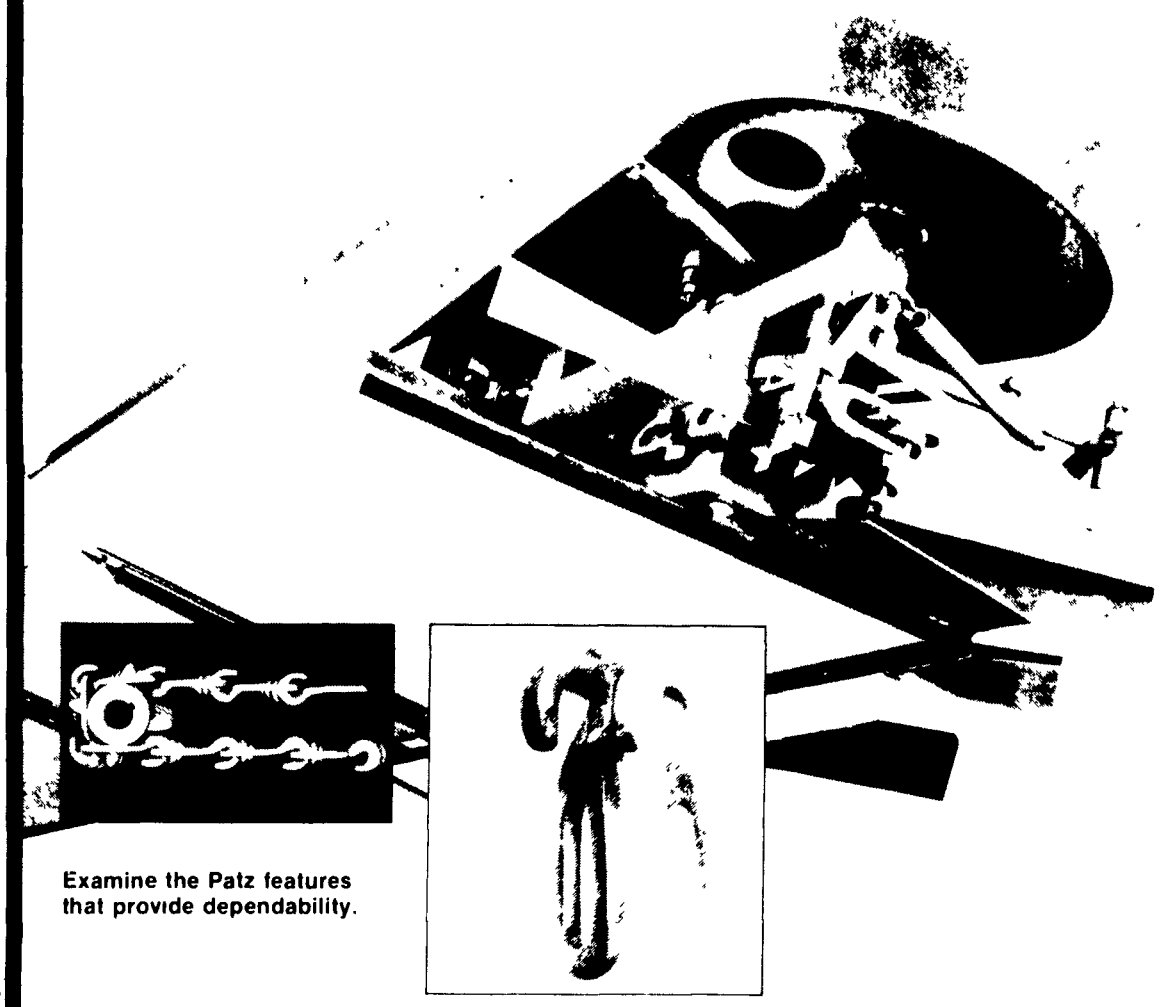

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Arnold Lueck Retires

(Continued from Page A1)

behalf of the agricultural industries in the county, praising him for using "a lot of good judgment and good common sense."

All of the presenters at the program paid tribute to Lueck's emphasis on education, and his efforts not only to help people with questions, but also to educate them for the future. Weidman said, "He is a great believer in education."

Lilli Ann Kopp, president of the Lancaster County Extension Board, presented Lueck and his wife, Pat, with two pieces of matched luggage, binoculars to help him in his bird watching interests and a check donated by his friends in the county. Kopp said, "We will miss your expertise, your presence and your timely horticulture knowledge."

It was through his weekly newspaper columns that he educated thousands about horticulture pursuits and helped urban, suburban and rural homeowners with seasonal tips.

Jay Irwin, County Extension director, called Lueck a "walking encyclopedia," and thanked him for a "job very well done."

On behalf of the Pennsylvania Association of County Agricultural Agents, Larry Yager gave Lueck a certificate "for meritorious service" and presented him with a brass plate from Epsilon Sigma Phi, the national honorary society of extension workers.

Lueck's wife, Pat, called the 25 years, 9 months and 6 days in Lancaster County's extension service "excellent, great years." She added, "This is the ending of one chapter and the beginning of another."

Reflecting on his own career in the county, Lueck said the job was "challenging, uplifting and rewarding." He said he always tried to use the positive approach, adding, "I certainly have enjoyed what I've done."

State Senator Noah Wenger gave a resolution passed by the Pa. Senate recognizing retiring Arnold Lueck for his 25 years of service in the Extension Service in Lancaster County.

Arnold Lueck and his wife, Pat, listen as Lancaster countians pay tribute to Arnie for his contributions to the County Extension Service. Lueck is retiring after 25 years as the county's agronomy and horticulture agent.

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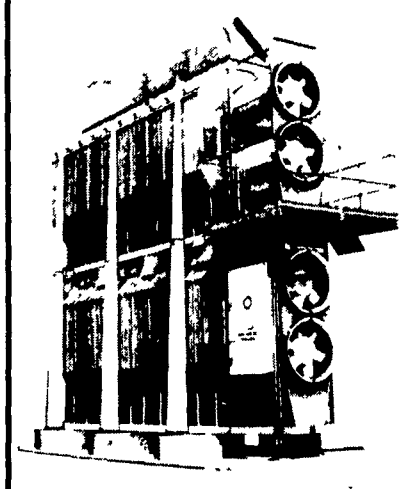

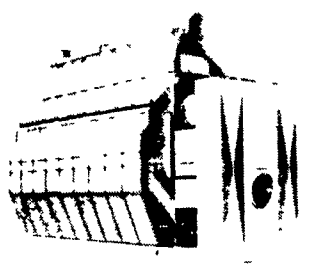

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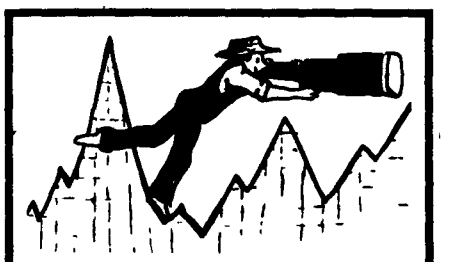

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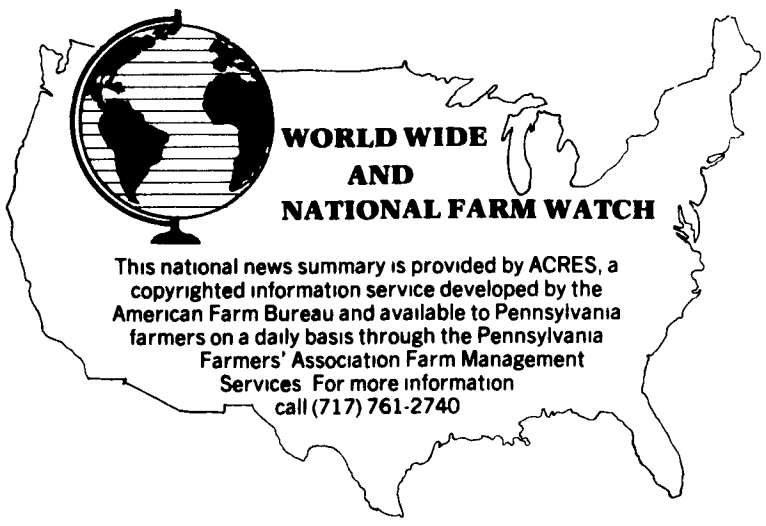
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NATIONAL FARM WATCH
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Farm Net Cash Income Rise To Continue

USDA economists expect net cash farm income to continue to achieve record highs. In the monthly Outlook report, government analysts predicted net cash farm income could reach $50 billion next year, up from this year's $44 billion. Big government payments are the major impetus for the upward surge although other factors include increased livestock receipts, a 3 percent drop in farm production expenses and increased export sales.

Agency analysts believe foreign demand for U.S. farm products will grow 2 to 3 percent a year for the rest of the decade. They base their optimism on expanding incomes, declining inflation, lower interest rates and world population growth. In all, the volume of U.S. farm exports could rise as much as 5 percent a year because of price competitiveness fostered by the 1985 farm act.

FB, a major player in the '85 farm bill debate, is still recognized for its continuing role in shaping American and world farm trade patterns. In a national wire service article yesterday reviewing agricultural events of the past year, the '85 farm act was credited for increasing export volume. "In October, after the new farm law was firmly in place, export volume was 14 percent higher than one year earlier. (Because export value did not rise accordingly,) critics quickly called for changes in the farm law. But the nation's largest farm organization... the American Farm Bureau Federation... and Agriculture Secretary Richard Lyng said the law needed a longer test."

FB members across the country have examined and discussed the current farm program as part of our policy development process. The national resolutions committee recently concluded their deliberations of measures submitted from state FBs and have recommended some measures designed to fine tune the '85 act. still, the general consensus continues to be that the Act aims to improve exports, reduce excess stocks and, at the same time, protect farmers' incomes– the three original goals sought by the nation's largest farm organization.

It's Not The Money, It's The Principle

The nation's Animal and Plant Health Inspection Service reports port inspectors collected more than $27,000 in civil penalties from 940 international travelers caught smuggling potentially hazardous agricultural products into the country in October. In addition, the successful completion of 15 cases resulted in total fines of $9,750 against businesses and individuals.

Government Wants To Stop Overpaying For Overproduction

Budget Director William Miller said the Reagan administration is considering a 1988 budget that would slash farm commodity payments to $15 billion, a reduction of more than $10 billion from last year's spending. The president will be urged to base payments on historic, rather than current, crop production in order to remove an incentive to overproduce. Miller added the administration is reviewing proposals to target assistance to needy farmers and reduce the number of $100,000-plus payments.

According to the report in the "Des Moines Register" yesterday, roughly $13 billion of last year's $25.6 billion commodity payments went directly to major-crop farmers in cash or grain certificates. The rest includes price-support loans, government dairy purchases, storage payments, export subsidies and other programs.

Lyng Warns Against Dairy Expansion

U.S. Ag Secretary Richard Lyng warned dairy farmers against planning for expansion "for whatever reason" Lyng said he does not favor another dairy herd buyout program and he is strongly opposed to a quota allotment system. Speaking at a commodity convention in Las Vegas, Lyng said, "We are getting our supply-demand in better balance... if larger imbalance occurs, support price levels will go down on Jan. 1, 1988. That can be avoided," he added.

Lyng said indications are that the dairy surplus could be less than 5 billion pounds in 1988. If this happens, the reductions of 50 cents pe cwt. in the support scheduled for 1988 will not take place.

Poultry Profits Molting

For a while there, poultry was seen as one of the few bright spots in agriculture this past year. The light is dimming a bit, said Hugh Johnson, AFBF poultry specialist. "Egg prices have dipped as much as a nickel a dozen since Thanksgiving. Broiler prices have taken a tumble and tom turkey prices dropped 20 cents or more (per pound) in the past month." Johnson said some of the weekness is typically seasonal and, in the case egg producers, flock size is under control and inventory is in good shape. One analyst estimates egg producers are still making about 11 cents a dozen.

Fewer Employed In Export-Related Jobs

Over the last five years, agricultural export-related jobs fell by about one-third, from 1.2 million workers down to 830,000 now. However, each dollar worth of exports generates 50 percent more revenue than it did in 1980. Now, each dollar generates $1.50 in economic activity, compared to $1.05 in 1980, according to a report from USDA's Economic Research Service.

Farm Credit May Tighten

Farm Credit Administration staff recommended restricting the accounting flexibility Congress granted to Farm Credit System banks, according to a report in today's "Wall Street Journal." The Congressional amendments to FCS law allow system banks to stretch out loan losses and certain interest rate costs over 20 years instead of the previous more immediate write off. FCA staffers want more stringent regulatory accounting practices and they want any relaxation to be contingent upon the banks' accepting the Farm Credit System Capital Corp.'s money sharing plan requiring stronger system banks to assist weaker ones.

FCA Chairman Frank Naylor said the board will put off a final decision on the recommendation until next week.

Control Own Destiny

Editor Richard Krumme of Successful Farming magazine told 72 busloads of farmers attending a two-day conference – Adapt 100 – sponsored by the Meredith Corporation in Des Moines, that farmers hold the key to their own survival at a time when control of the land is "slipping away to lenders and the government." Krumme said the meeting was the only gathering of farmers on recent years to focus on opportunities in agriculture rather than on the problems. Speakers, most of them farmers, shared their own innovative ideas for diversifying their farm enterprises to improve their incomes.

(Turn to Page A33)

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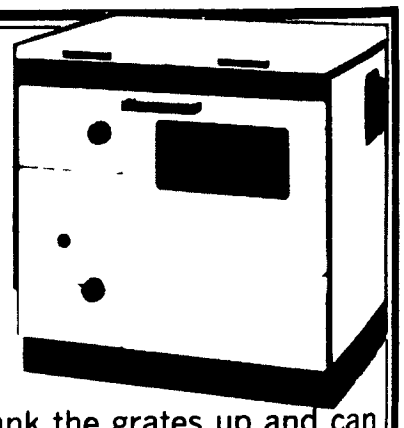

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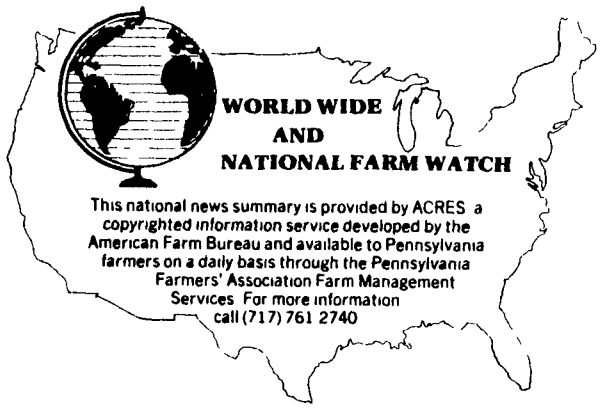
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(Continued from Page A33)

Borrowers Set Their Own Terms

Peru won't renegotiate its debt repayments position with the International Monetary Fund but may increase exports instead. A Peruvian spokesman said to follow the IMF terms for debt repayment would not only "seriously endanger" Peru's finances but threaten its "very survival. Peru refuses completely to apply the economic philosophy of the IMF because it in no way corresponds to the real development needs of our country." Among the commodities targeted for increased export activity are cereal crops.

Brazil's president warned creditors Brazil will resist demands for "more sacrifices" in debt rescheduling talks. "We will not negotiate with those who do not take into account the social needs of our people." U.S. lenders hold $58 billion of Brazil's $105.1 billion foreign debt.

Last Chance To Play Income Tax Game With 86 Rules

There's only a few days left for farmers to take advantage of any tax preferences available under the old income tax rules. FB economist Ron Herr said some time spent thinking and planning now and a visit with the accountant may provide substantial savings later on. Focus management decisions on capital gains, income earned and expenses paid. Personal itemized deductions may be worth more in 1986 than in 1987, its the last shot at sales tax write-offs and individuals will no longer be able to average income, Herr added.

Embargoes Stifled Progress

Embargoes are "economic insanity" and have hurt U.S. farmers, AFBF vice president Harry Bell said at California FB's annual meeting in Monterey this week. "They cut us out of competition and cut in countries such as Argentina. In an attempt to balance things out, our government assumed the contract obligations of affected grain traders at a cost of around $500 million. Then to stabilize grain markets, our government made direct purchases of wheat and corn that cost $2.8 billion. The government owned grain depressed the market from then on."

Lowered Exportations

USDA's latest grain export report shows a sharp decline in wheat export shipments and warns that earlier signs of an export recovery "may have been only temporary. With recent indications of lower forecasts of total world import needs in 1986/87, and strong indications of severe price competition from other major exporting countries, prospects for recovery of U.S. export volume over the next six to nine months appear very limited. Problems cited in the report include EC dumping and the Community's failure to honor their commitment to import more corn as part of the Spain/Portugal accession deal; increased competition from South Africa in Far East markets; Australian wheat sales to China and the USSR and increased Canadian supplies.

--FARMERS MAKE CONSERVATION PAY – Farmers increased crop and livestock production in 1985 by 6 percent while using 4 percent fewer resources, according to a USDA report of economic indicators in the farm sector. They boosted crop output to a new high while planting fewer acres and using less fertilizer. That increased productivity is being accomplished by farmers who are taking their less productive acres out of production and using farming methods that require less tillage. The 1985 farm bill, for the first time included features that will force farmers to develop conservation plans in order to remain eligible for farm program benefits. Those who plant crops on highly erodible land also will lose benefits under the farm program.

In presentations to Soil and Water Conservation award winners in a Dupont Co. national endowment program, U.S. Agriculture Secretary Richard Lyng said, "The conservation achievements of these national winners show that good conservation is good economics."

One award winner, Iowa farmer Larry Johnson said of the government conservation reserve and sodbuster and swampbuster programs, "it's one way to get them (farmers) to do conservation."

Another award winner, dairyman Harry Jenkins, said conservation had increased his productivty. "Practicing conservation is important both from an economic standpoint and in considering long-term benefits to the land," Jenkins said.

–LYNG OPTIMISTIC ON INCOME AND EXPORTS -- Secretary of Agriculture Lyng said yesterday that he expects some improvement in farm income and exports next year, but he made it clear that he expects this improvement under the 1985 farm act, not as a result of any sweeping changes to be made by Congress or the administration. Lyng said the administration plans to go with basically the present farm program for the coming year.

–USDA ISSUES EXAMPLES ON PAYMENT LIMITS -- Responding to questions about how government payment limitation rules apply to individual cases the USDA has prepared a set of examples for use in county offices to ensure uniformity in the administration of the payment limitations. Farmers who may have questions are encouraged to ask their county ASCS office personnel to see the examples they are using on payment limitation provisions.

–TURKEY IS KNOCKING BUT EEC DOESN'T ANSWER – U.K. Foreign Secretary Geoffrey Howe told Turkey's foreign affairs minister Ali Bozer that it is still too early for Turkey to be considered for membership in the European Economic Community. Turkey has expressed interest in joining the EEC, which is still trying to make adjustments needed as a result of the entry of Spain and Portugal at the beginning of this year, said Howe. If Turkey does apply for membership in 1987, as some expect, it may take several years for the EEC to produce an opinion on Turkey's application.

--TWO TEXAS BANK FAILURES BRING TOTAL TO 135 – Failure this week of banks in Booker and Lago Vista, Texas raised the total for the year to 135, 15 more than occurred in all of 1986. The FDIC gave no reason for the failures, which raise bank closings in Texas to 25 for the year, but has arranged for the takeover of insured deposits of the Booker bank by the First National Bank of Perryton and is looking for a transfer of ownership of the Lago Vista facility.

–CRACKS IN THE BAMBOO CURTAIN – Government shifts in several Soviet leaning economies have resulted in talk of shifts toward more flexible systems indicating growing awareness that Communism and Socialism is not all it is cracked up to be. Communist authorities in Afghanistan appear to be holding their own in factories with their Soviet-style principles, but are finding slow going in the countryside where farmers like their independence. Tanzania and the Communist regime in Viet Nam also have experienced shifts toward greater economic freedom as well, according to stories of far-flung origin appearing in today's Chicago Tribune.

--DEERE FOUNDATION RECEIVES TRUST FOR TRAINING – A $1 million fund has been donated by an heir of the founder of Deere & Co. to provide retraining for employees of the company who have been laid off or terminated because of the tough economic times. The fund, donated by Mary Jane Brinton of San Francisco, great great granddaughter of the firm's founder, said she wished to share some of the benefits this great company has given to me." The fund, to be administered by the Deere Foundation, will be used to generate income and the proceeds used to pay for education and retraining programs according to priorities set by regional advisory committees to be established by the company. Foundation officials expect the fund to generate $80,000 to $100,000 per year.

–CONSUMER PRICES INCH UPWARD – Led by higher prices for food and automobiles, consumer prices rose a modest 0.3 percent in November. Lower energy prices helped hold the increase down, the government said. Economists expect inflation for 1986 to average a modest 1.3 percent, compared to 3.8 percent in 1985 and they anticipate an inflation rate of 3.5 to 4.0 percent for 1987. "1986 will be remembered as the year in which inflation rose at its slowest rate since 1964," said White House spokesman, Larry Speakes.

–EEC HAS ONLY A FEW DAYS TO AVOID TARIFFS – The USDA is getting ready to impose duties on European wines, cheeses, hams, vegetables and olives if the EEC does not make good on its promise to compensate the U.S for the five-fold increase in Spanish tariffs on U.S. corn imposed as a result of Spain's entry into the Common Market. U.S. Secretary of Agriculture Richard Lyng said there has been disagreement over the amount and form of compensation. "We await further information from the European Community or the whole issue gets down to one of retaliation," Lyng said.

–BRAKING SPEED WANTED ON NO ETHANOL ADS – The recent announcement by Amoco that it would discontinue its negative advertising on ethanol fuel was fine as far as it goes, says Illinois Farm Bureau, one of the leaders in the campaign to revuild confidence in ethanol fuel. But says IFB, how quickly the company will remove "no alcohol added" decals from its gasoline pumps remains to be seen. Members will be watching for their disappearance, as well as watching for Shell and other retail establishments to follow suit, says IFB.

Not All Cats Get Shots

HARRISBURG – Rep. Terry R. Scheetz today advised farmers and other land-owners that not all cats are covered under the state's new rabies vaccination law recently signed by Gov. Dick Thornburgh.

Scheetz said he added an amendment to the measure to exempt farm cats who spend no time in the home.

"Only cats who spend some part of the day in the house are included in the rabies inoculation requirement," he said.

"This provision ensures that farmers and others who have strays on their property at one time or another cannot be fined because of them. Since these are not house pets, they are very difficult to catch, much less vaccinate."

Another amendment added by Scheetz will make the new law easier on dog owners. That provision will allow registered dog kennel owners, not just veterinarians, to give the inoculations.

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- Spacing of Plants and Rows
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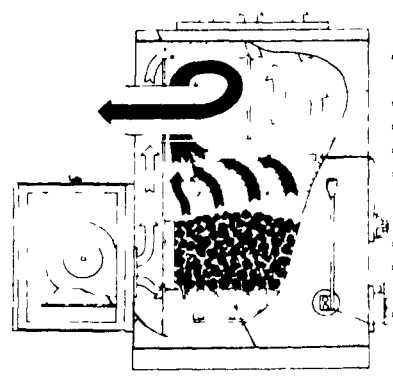

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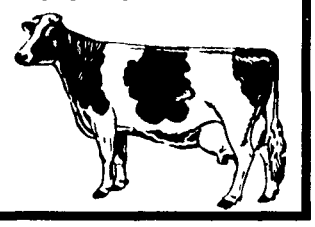
Major Dairy Sales And Dispersals Nationwide



Reports from two sales for the week of Dec. 15 to 23 showed 180 lots averaging $1,132.50. The top prices at the sales were $6,000 and $4,650. Here is a brief look at the results of these sales.

HOLSTEIN

The ELKHORN NATIONAL CLASSIC SALE held in Wisconsin averaged $1,715 on 89 head.

The top price of the sale, $4,650, came on a bred heifer by Valiant. She will freshen in April to Walkway Chief Mark. Her maternal sister by Bootmaker classified 2E-90 GMD and produced a top record of 30,180 pounds of milk and 1,122 pounds of fat.

Her dam, sired by Rocby Ivanhoe Dina Charm, classified 4E-91 with a best effort of 20,810 pounds of milk and 967 pounds of fat for a 4.6 test. The next dam scored a VG-85 rating and produced two records over 23,000 pounds of milk and 1,040 pounds of fat for a 4.3 test.

An Excellent 5-year-old by Valiant sold for the the second best price of $4,600. She will freshen in January to Ned Boy. She registered a top record of 19,140 pounds of milk and 1,014 pounds of fat for a 5.3 test as a 3 year old.

Her dam, by Hagemans Temple, classified VG-87 with a best effort of 18,110 pounds of milk and 895 pounds of fat.

Keith Stump handled the auctioneering assignment and Alvin Piper Associates managed the sale.

The JOHN AND BOBETTE MAHLKUCH COMPLETE DISPERSAL held Wisconsin averaged $1,550 on 91 lots.

Topping the sale was a 3 year old cow by Valiant. Due to freshen in March to Tradition, the unclassified cow sold for $6,000. She is entered in the Wisconsin Futurity for 1987. She sold on her own merit with not contracts or guarantees.

In her first lactation she produced a record over 18,000 pounds of milk and 650 pounds of fat.

The dam, a VG-87 Elevation daughter, produced a top record of 21,110 pounds of milk and 884 pounds of fat with a 4.2 test in 365 days.

A bid of $3,500 ranked as the second best price of the sale. Selling for this price was a 6 year old by Pawnee Farm Arlinda Chief. Classified VG-88, she is short bred to Ned Boy.

She produced a best effort of 22,780 pounds of milk and 831 pounds of fat in 365 days. She is the third generation to score Very Good with over 22,000 pounds of milk.

Morris and Hoskins managed and auctioneered the sale.

Mahlkuch decided to disperse the herd for health reasons. Owner John Mahlkuch noted that his knees were falling and it reached the point where he couldn't milk the cows himselves; he added it was time to move on.

NATIONAL DAIRY COW SALE INDEX

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This sale index can help dairymen place a value on the dairy cows in their own herds. Breed organization sales and private dispersal sales reported in Lancaster Farming are included in the dollar averages.

	Ayrshire	Brown Swiss	Guernsey	Jersey
Year to date:				
Nation	889	1101	1141	960
Pennsylvania	832	950	569	1019
Four previous weeks:				
Nation	988	1436	—	1481
Four previous weeks +/-year to date:	99 higher	335 higher	—	521 higher

	Holstein	Red and White	Milking Shorthorn
Year to date:			
Nation	2097	1825	850
Pennsylvania	2006	2837	922
Four previous weeks:			
Nation	2037	—	—
Four previous weeks +/- year to date:	60 lower	—	—

National DHIA Annual Convention Slated

UNIVERSITY PARK — The 1987 National Dairy Herd Improvement Association Annual Meeting and Trade Show will be held in Philadelphia at the Adam's Mark Hotel on March 9 to 12.

Delegates to the meeting will address such issues as coping with the loss of herds from the buyout, dealing with a tight farm economy and new technology.

New this year to the convention is a special biotechnology conference. The conference features nationally-known speakers on the topics "Somatotropin" and "New Dairy Farm Technology." All dairymen and their families are invited to attend. The conference is slated for Monday afternoon, March 9, and Tuesday morning, March 10.

The 1987 convention will feature a trade show with a variety of innovative exhibits. These exhibits will show the lastest in dairying equipment and services.

A Ladies Outing scheduled for Tuesday includes the Philadelphia Flower Show and a tour of Fairmount Park. The Thursday Ladies Tour includes Longwood Gardens and the Brandywine River Museum.

Two farm tours to either Chester County or Lancaster County farms are slated for Wednesday, March 11.

The Chester tour includes stops at Maplebound Farms. Maplebound, owned and operated by Donald Hostetter, maintains a rolling herd average of 19,550 pounds of milk and 720 pounds of fat on 87 cows. Hostetters farm 140 acres of corn and 80 acres of hay. The herd is housed in a well-ventilated tie-stall barn.

Another stop includes Marlboro Mushrooms, owned by Charles and Jane Brosius. They ship mushrooms daily to the fresh mushroom markets of New York and Philadelphia. The operation includes 13 mushroom houses displaying all 13 weeks of the mushroom growing cycle.

The Nelson Stoltzfus farm, a 70 cow, family-owned and operated dairy, is slated for the convention tour. The dairy features a one year old, double four milking parlor with computer feeder and heat exchanger and oil reclaimer on milk pumps.

The final stop features the New Bolton Center. Convention visitors will have the opportunity to see the George Widener Hospital for large animals on the rural campus of the University of Pennsylvania Veterinary College. The recovery pool for large animals recuperating from anesthesia will be open for viewing

The Lancaster County tour includes four stops

Oregon Dairy, a family partnership involving six brothers of the Hurst family, will display the dairy's milk processing plant, retail milk outlet, and full service grocery store and cafeteria.

Hursts' farm consists of 450 acres and supports a 300-cow dairy herd and 200 heifers. The farm features a free stall barn with fence line feeding, oak plank stall beds and a ventilation system consisting of two rows of side opening panels, open ridge and circulating fans.

Their milking system consists of a 24-stall polygon parlor with automatic take-offs. A water treatment system is used for the herd's water supply.

Manure is handles with alley scrapers, a manure transfer system and earthen bank storage. A continuous feed, flow through methane digester is used. The farm generates its own electricity and excess is sold to a power supplier. Manure solids are sold and effluent is applied to the land.

A tour will be held of the New Holland Inc plant where the company assembles balers and blowers.

Way Lane Farm will welcome convention goers. This Amish farm of 100 acres features a registered herd of 50 Holstein cows averaging 18,000 pounds of milk.

The final stop will be Zimhaven Farm, owned and operated by Loren and Helen Zimmerman This registered herd of Holsteins averages 19,000 pounds of milk on 75 cows. These cows are divided into two production groups. Both groups receive a TMR containing 60 percent haylage, 40 percent cor silage plus high moisture corn The high group also receives a topdress mix containing roasted soybeans, whole cottonseed, shelled corn and a protein supplement.

The herd is housed in a tie-stall barn with a duct ventilation system.

For more information contact the National DHIA at 3021 East Dublin Granville Road, Columbus, OH 43229.

Animals Can't Drink Ice

As the cold days of winter set in upon us, it is important to remember that animals need water, even on cold days, and they can not drink ice Be sure their water supply is not frozen

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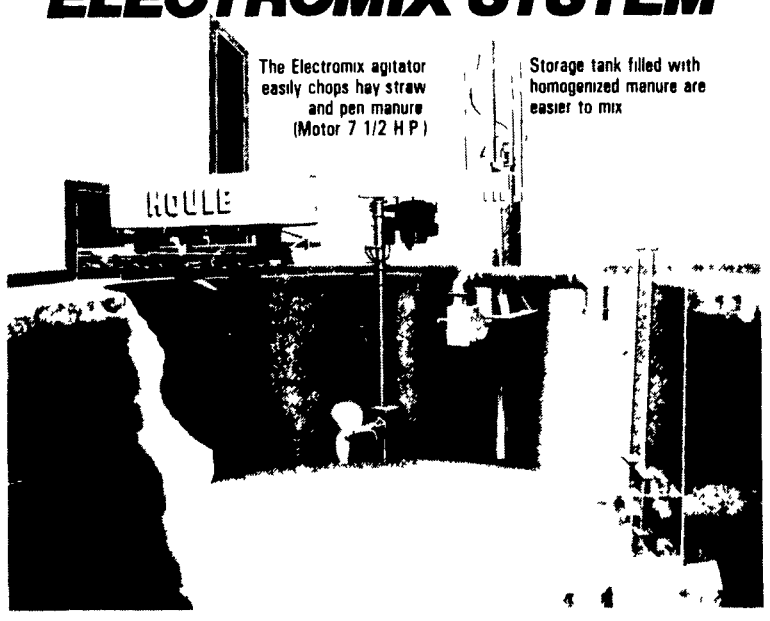
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Somatic Cell Counts Aid In Reducing Mastitis Wastes

BY
DR. GEORGE F.W. HAENLEIN
Extension Dairy Specialist
University of Delaware

NEWARK, Del. – Mastitis has been discussed and described for more than 100 years. With the advent of milking machines some 80 years ago, the interest in mastitis intensified because often it was blamed on the machines. Yet today's milking machines are on the verge of becoming fully automatic — from attachment, stimulation, detachment to mastitis monitoring and the making of milk discarding decisions.

The most valuable recent development in mastitis control has been the use of monthly somatic cell testing of individual cows as part of the DHIA program. This program allows dairy farmers to manage herd udder health much more successfully than ever before, because somatic cell counts are directly related to udder infections.

Somatic cell counts can answer a number of questions. They can tell you whether your herd's heifer raising program is providing new springers with clean, uninfected udders. They can tell you if your dry-cow program has positive or negative effects on the herd's udder health. And they can show if the daily milking herd environment causes an increase in udder infections.

The somatic cell count program is a monthly report card on each cow with respect to her udder health. Raw cell counts in 100,000s per milliliter milk and a so-called "linear score" tell the story.

The magic number is "5" on the linear score because it means 400,000 cells and a normally healthy udder, although lower scores do occur. For cows with linear scores of less than 5, any culture of their milk will usually be negative in 90 percent of all samples. Cows with more than a linear score of 5 usually have positive cultures for pathogens.

Linear scores are also an indication of milk wasted; that is, not produced by the cow because of subclinical or clinical infections. For each linear score step, an average 1.5 pounds of milk per cow per day is wasted, or about 400 pounds per lactation.

A linear score increase from 2 to 7 (5 steps), means a rise in somatic cell count from 50,000 to 1,600,000. That means 7.5 pounds of wasted milk per cow per day. For the entire herd, if that score was the herd average, it means 3,000 pounds per cow per lactation, or 210,000 pounds of milk for a herd of 70 cows. That amounts to $23,100 less income for that herd for the year due to wasted milk.

So you see how important somatic cell testing can be when you're trying to survive the present profit squeeze!

High counts on individual cows can mean several things — chronic problems, fresh cows, late lactations or acute problems. Sometimes only one of the four udder quarters is the problem.

After somatic cell counts, the next step in diagnosis is to get out the California Mastitis test paddle or the electronic cowside conductivity meter and check each quarter for possible isolation and treatment.

Milking procedures, milking machine maintenance, the vacuum, udder and pipeline washing procedures, teat dipping, between-cow back-flushing and dry-cow treatments leave absolutely no room for "left-handed," halfway measures. Somatic cell counts quickly tell whether every step in the procedures was exactly right or only more or less right.

If more than one-third of your first-calf heifers have linear scores above 4, suspect udder infection and start preventive measures on them.

If somatic cell counts increase as lactation days increase, subclinical mastitis is being spread during milking and you should start corrective steps there.

If somatic cell counts are highest in early lactation, suspect mastitis causes in the calving stall and dry cow environment. These causes could include dirty bedding, mud, cold concrete floors on which udders lie, or just too much manure where the cows are resting.

Mastitis waste can be effectively reduced today using the available tools. Taking steps to do so is one way to ease the present profit squeeze on dairy farms.

Supply Management

(Continued from Page A30)

milk manufacturing facilities on a large scale over the years to undergird their bargaining purposes and to guarantee their members a market. An estimated 77 percent of producer milk in the U.S. is marketed through cooperatives. When the manufacturing facilities are running near capacity, which is the case in periods of excess milk supply, the manufacturing facilities generally are in a breakeven to a profit-making situation.

A mandatory supply management program that could effectively reduce supplies would lead to a situation of some excess capacity, higher operating costs, and lower savings for farmer members.

Competition for producer milk would intensify with mandatory supply management. Producers would find new pricing and hauling incentives to switch sales outlets and memberships.

One effect of the competition would be to boost producer prices above the prices stipulated in the base program. Also, dairy cooperatives would find themselves in a stronger position to bargain for higher over-order premiums. The strong upward pressures on producer prices that a supply management program would generate could mean that the program would have to incorporate price ceilings as well as price minimums in order to serve the public interest.

Imports

A last market implication that should be reorganized is that a tight supply-demand situation brought on by a base program could invite increased imports of dairy products. In 1973 and 1974, import quotas were relaxed substantially when milk production dropped abruptly and markets were short of milk.

A supply management program cannot be managed or administered perfectly and additional imports could be required again to assure adequate supplies.

Politics

Finally, a word about the politics of supply management is appropriate. It will never go anywhere in Federal legislation until a large majority of milk producers clearly indicate that a mandatory base plan is what they want.

If a vote were taken today, it is not clear that 67 percent or even 51 percent of the dairy farmers in this country would support mandatory bases. The difference among dairy farmers would be everywhere—between neighbors, between dairy cooperatives, and between regions.

Beyond that, Congress has its doubts, and the current Administration has already drawn its line—NO. So we are looking at a program that is three to five years away at best.

A quota program is a serious alternative. Our challenge is to further evaluate its long-term benefits and costs in formulating a dairy price policy that effectively serves its objectives. We should look closely at all the aspects of this approach before we leap.

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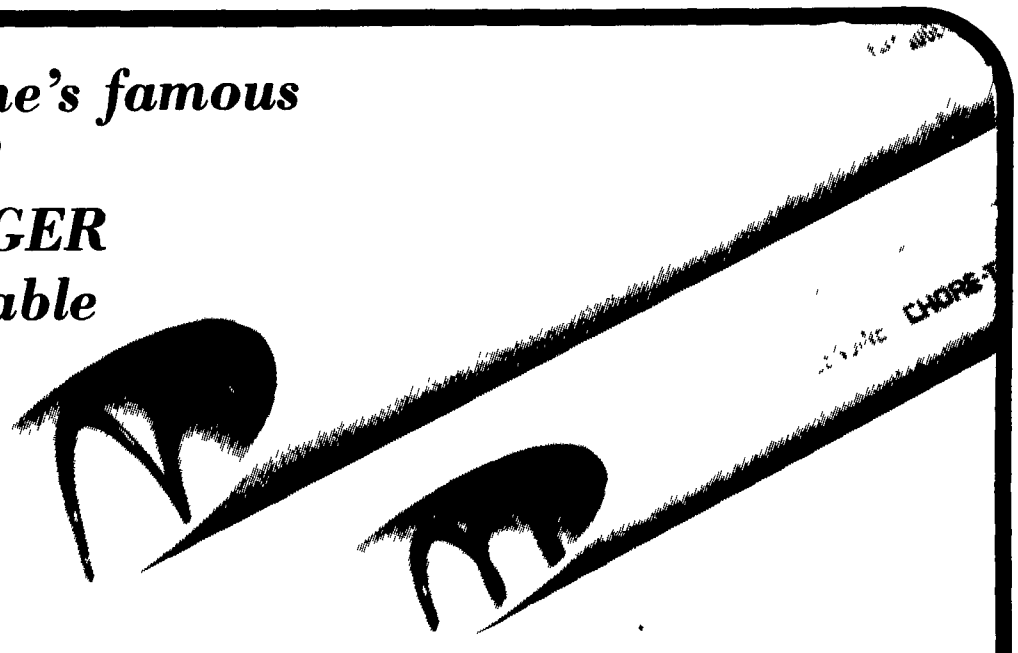

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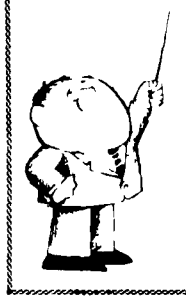

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Burleigh Leads Wayne County DHIA

HONESDALE — Kevin Burleigh, Pleasant Mount, had the leading dairy herd in the Wayne County Dairy Herd Improvement Association in the November test period, according to the Cooperative Extension Service. The herd of 44 Holsteins had a rolling herd average of 20,727 pounds of milk and 848 pounds of fat.

Other top herds were: James Slocum, Susquehanna, 20,269 milk and 811 fat; Jack and Ella Chyle, Pleasant Mount, 19,943 milk and 728 fat; Charles P. Dennis, Honesdale, 20,209 milk and 717 fat; Kinghill Farm, Starrucca, 17,631 milk and 708 fat; Paul Kennedy, Honesdale, 20,922 milk and 701 fat; Golden Willow Holstein, Honesdale, 20,881 milk and 700 fat; Rowe Brothers, Honesdale, 19,401 milk and 697 fat; Robert Fielding and Son, Lake Ariel, 18,601 milk and 692 fat; and W.E. Newcomer, Newfoundland, 18,304 milk and 675 fat.

The cow completing the highest lactation of 305 days or less during the November test period was a 3-year-old Holstein owned by James Slocum, "Reta" produced 24,132 pounds of milk and 1,371 pounds of butterfat.

Other top producers were "Barbara" also owned by James Slocum, 26,863 milk and 1,074 fat; "Ginger" also owned by James Slocum, 22,892 milk and 975 fat; "Crystal" owned by Kevin Burleigh, 23,214 milk and 974 fat; "Dana" owned by Rowe Brothers, Honesdale, 25,674 milk and 959 fat; "Polly" also owned by Rowe Brothers, 25,584 milk and 933 fat, "Marsha" owned by Kevin Burleigh, 22,570 milk and 902 fat, "Joann" owned by Golden Willow Holsteins, Honesdale, 27,858 milk and 902 fat, "Shirley" owned by B.F. Garing Jr., Honesdale, 23,776 milk and 885 fat, and "Peaches" owned by George Schmidt, Preston Park, 22,751 milk and 857 fat.

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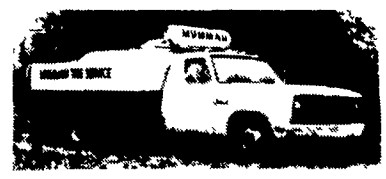

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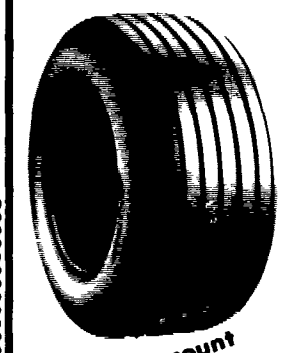

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16 5Lx16 1 10 Ply Tubeless	$160 00
25x7 50x15 4 Ply Tubeless	$44 00
25x7 50x15 6 Ply Tubeless	$49 00
27x9 50x15 4 Ply Tubeless	$53 00
27x9 50x15 6 Ply Tubeless	$60 00
27x9 50x15 8 Ply Tubeless	$65 00
31x13 50x15 6 Ply Tubeless	$88 00
31x13 50x15 8 Ply Tubeless	$99 00

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18 4R34 6 Ply	$399 00
16R38 6 Ply	$429 00
18 4R38 6 Ply	$459 00
18 4R38 8 Ply	$529 00
18 4R26 10 Ply	$449 00
20R34 8 Ply	$639 00
20 8R38 8 Ply	$649 00
20 8R38 10 Ply	$699 00

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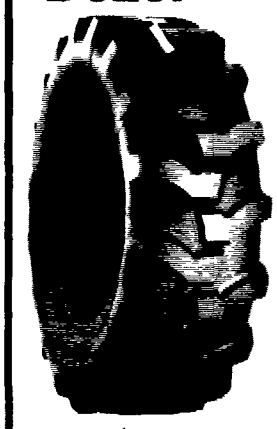
16 9x24 8 Ply	$265 00
16 9x24 10 Ply	$330 00
17 5Lx24 6 Ply	$245 00
17 5x24 8 Ply	$270 00
15 5x25 12 Ply	$310 00
17 5x25 12 Ply	$440 00
19 5Lx24 10 Ply	$390 00
19 5Lx24 12 Ply	$430 00
12Lx24 12 Ply	$500 00
20 5x25 12 Ply	$643 00
23 5x25 12 Ply	$960 00
23 5x25 16 Ply	$1 000 00

Loader-Dozer



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★ TUBE TYPE ★

14 9x24 6 Ply	$200 00
14 9x24 8 Ply	$220 00
16 9x24 6 Ply	$220 00
16 9x24 8 Ply	$235 00
16 9x24 10 Ply	$280 00
17 5Lx24 8 Ply	$240 00
16 9x28 8 Ply	$260 00
18 4x28 10 Ply	$340 00
20 5x25 12 Ply	Call For
23 5x25 16 Ply	Quote
1300x24 10 Ply	$225 00
1300x24 12 Ply	$245 00
1400x24 10 Ply	$255 00
1400x24 12 Ply	$280 00

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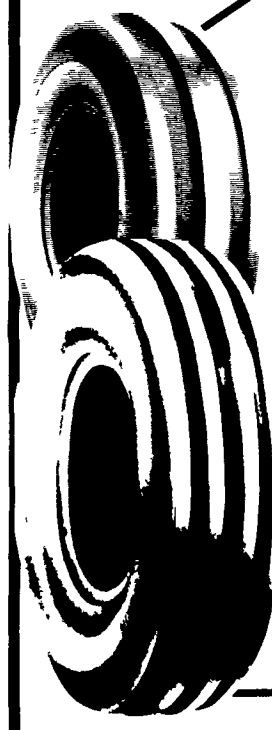


★ 3-RIB ★

400 12	$22 00
400 15	$24 00
400 19 4 Ply	$29 00
500 15	$31 00
550 16 4 Ply	$33 00
550 16 6 Ply	$36 00
600 14 6 Ply	$52 00
600 16 4 Ply	$37 00
600 16 6 Ply	$41 00
650 16 6 Ply	$42 00
75L 15 6 Ply	$50 00
750 16 8 Ply	$54 00
750 15 6 Ply	$50 00
750 18 6 Ply	$64 00
750 20 6 Ply	$77 00
9 5L 15 6 Ply	$55 00
9 5L 15 8 Ply	$60 00
10 00 16 6 Ply	$80 00
11Lx15 8 Ply	$75 00
1100 16 8 Ply	$110 00
14L 16 1 8 Ply	$160 00

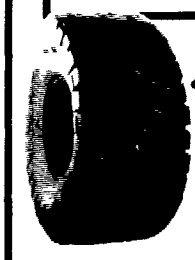
★ 4-RIB ★

11L 15 8 Ply	$80 00
10 00 16 6 Ply	$80 00
10 00 16(TL) 6 Ply	$95 00
10 00 16(TL) 8 Ply	$106 00
11 00 16 6 Ply	$108 00
11 00 16(TL) 6 Ply	$110 00
11 00 16 8 Ply	$108 00
11 00 16(TL) 8 Ply	$123 00
14L 16 1(TL) 6 Ply	$180 00
14L 16 1 8 Ply	$164 00
16 5L 16 1(TL) 8 Ply	$250 00

★ 5-RIB ★

1100x16 12 Ply Tubetype	$135 00
1100x16 12 Ply Tubeless	$150 00

ARMSTRONG



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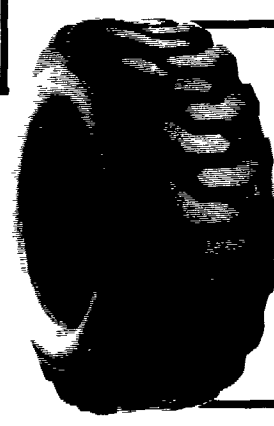
9 5x24	$112 00
14 9x24 6 Ply	$200 00
16 9x24 6 Ply	$210 00
18 4x16 1 6 Ply	$245 00
18 4x26 6 Ply	$360 00
13 6x28 6 Ply	$225 00

SKID LOADER TIRES



570x12 4 Ply	$40 00
23 850x12 4 Ply	$47 00
27 850x15 4 Ply	$51 00
27 850x15 6 Ply	$65 00
27 1050x15 6 Ply	$70 00
700x15 6 Ply	$65 00
750x15 6 Ply	$68 00
10 16 5 6 Ply	$80 00
12 16 5 8 Ply	$120 00
Steel Shield	
10 16 5 6 Ply	$95 00

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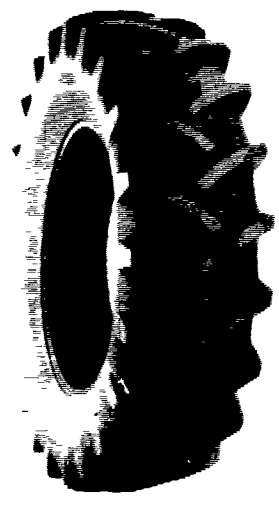
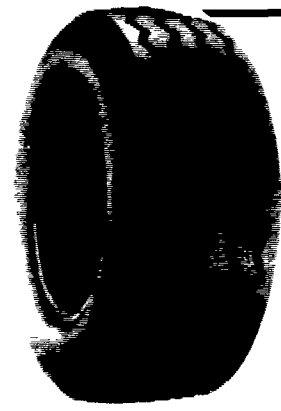


11 2x24 4 Ply	$106 00
11 2x24 6 Ply	$125 00
14 9x24 4 Ply	$161 00
14 9x24 6 Ply	$172 00
14 9x24 8 Ply	$200 00
16 9x24 6 Ply	$200 00
16 9x24 8 Ply	$220 00
14 9x26 6 Ply	$180 00
18 4x26 6 Ply	$247 00
23 1x26 8 Ply	$525 00
11 2x28 4 Ply	$120 00
12 4x28 4 Ply	$137 00
13 6x28 4 Ply	$150 00
13 6x28 6 Ply	$165 00
13 6x28 8 Ply	$195 00
14 9x28 4 Ply	$165 00
14 9x28 6 Ply	$185 00
16 9x28 6 Ply	$225 00
16 9x28 8 Ply	$245 00
16 9x30 6 Ply	$240 00
18 4x28 6 Ply	$300 00
18 4x30 6 Ply	$270 00
23 1x30 8 Ply	$650 00
24 5x32 10 Ply	$775 00
16 9x34 6 Ply	$270 00
18 4x34 6 Ply	$310 00
18 4x34 8 Ply	$335 00
20 8x34 6 Ply	$479 00
20 8x34 8 Ply	$510 00
23 1x26 10 Ply	$600 00
23 1x34 8 Ply	$689 00
11 2x38 4 Ply	$147 00
12 4x38 4 Ply	$175 00
13 6x38 4 Ply	$185 00
13 6x38 6 Ply	$205 00
14 9x38 6 Ply	$224 00
15 5x38 6 Ply	$235 00
15 5x38 8 Ply	$260 00
16 9x38 6 Ply	$295 00
16 9x38 8 Ply	$325 00
18 4x38 6 Ply	$340 00
18 4x38 8 Ply	$380 00
20 8x38 8 Ply	$520 00

CONTRACTOR F-3



11Lx15 8 Ply	$80 00
11Lx16 8 Ply	$92 00
11Lx16 10 Ply	$98 00
750 800x16 10 Ply	$80 00
11Lx16 12 Ply	$130 00
145 75 16 1 10 Ply	$225 00

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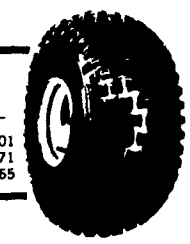

22x11 00 8	$38 01
25x12 9	$54 71
18x950 8	$30 65

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750x20 4 Ply	$59 95
750x24 4 Ply	$64 95
8 3x24 4 Ply	$82 00
9 5x24 4 Ply	$92 00
11 2x34 4 Ply	$142 00
11 2x36 4 Ply	$144 00
12 4x24 4 Ply	$123 00
12 4x36 4 Ply	$175 00
13 9x36 6 Ply	$200 00

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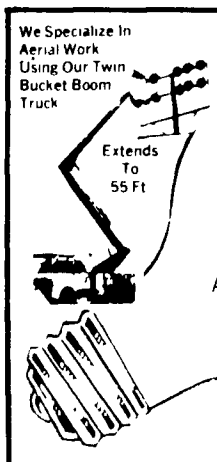

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The Dairy Business

By Newton Bair

So, What's New?

Most of the pleasure in something new is getting ready for it. Even Christmas morning is a letdown compared to all the preparation and anticipation. So, maybe New Year's day won't be so blah if we do a little dreaming in anticipation of its arrival, and then don't take it too seriously.

We wouldn't be human if we did not look ahead a little bit. We can dream and hope all we want, it costs nothing and builds up the ego. Jump into the future as far as you want and make it as grand as you can. Build a new barn, trade in the old pickup, pave the road to the farm. Put in a new kitchen, add a room for Grandpa and Grandma, and pay off the mortgage. Might even buy Mom a new coat and take the whole family on a vacation to Florida.

What the heck, it's only a dream so do it right while you're at it.

I've been dreaming a lot lately, so I jotted them all down so they can be confirmed when they come true.

Six dollar corn and $17 beans and $19 milk! And the misses will smile all the way to the mall.

The church will pay off the mortgage, republicans will control the Senate, Israel and Iran will build a combined Mosque-Synagogue on the Gaza Strip, and the U.S. will make Japan and Taiwan the 51st and 52nd states.

Eastern Siberia will crack off from Asia and float over to California, making it necessary to build bi-lingual schools in the western States. While South Africans will move to Australia and make a fortune selling the game of apartheid to the Kangaroos.

Lee Iacocca will head up the new GM-CHRY-FOR-YOTA Corp. The new OPEC headquarters in Dallas will sponsor a Foundation for Destitute Diggers, and oil will become a collectors item at $100 a drop (including bucket).

Hold on, I'm not through dreaming yet.

We'll fill in the Chesapeake Bay with York County and Lancaster County mud (with a little cheaper imported stuff from upper N.Y.), and then dine on synthetic oysters every Thursday night.

Harrisburg will fight it out with Washington D.C. to become the Carp and Catfish capital of the East, with a DIRTY POOL in every back yard.

Purdue and Reddenbacher will form a syndicate to make popped chicken the National emblem (before it gets on the endangered species list).

Now, before those dreams start to sound a little silly, I want to assure you that planning ahead and dreaming can not only be fun but profitable as well. Remember that dreams can be within the realm of common sense as well as nonsense. Some dreams actually come true, if they are backed by a little persistance, education and hard work. A dash of imagination and initiative will also help. It might even take a push from within to get it going.

Before your hopes and dreams for the New Year get really weird and out of hand, I would suggest that you eat a light dinner before retiring on Wednesday night.

Go easy on the potato stuffing and gravy, and lay off the onions. A sip of white wine (medicinal) is allowed, but avoid Irish coffee und Schnapps. Get to bed before the Times ball bounces on Broadway, and I'll guarantee that you will wake up Thursday morning feeling like a New Year has Dawned!

You might even let your wife and kids sleep in for once. The cows won't mind the quiet in the barn, and you might even learn something new if you listen closely to their gossip while the milk flows.

Cows dream too, you know. Happy New Year!

Economists Predict Better Dairy Year

ITHACA, N.Y. — New York State's dairy industry, the backbone of the state's $3 billion agricultural industry, may fare better in 1987 than in 1986, a Cornell University dairy specialist says.

"Improved farm milk prices and stable production costs should provide most New York dairymen with better returns in 1987," predicted Wayne A. Knoblauch, an agricultural economist at the New York State College of Agriculture and Life Sciences at Cornell.

These and other factors, including a better supply-demand situation, lower assessments and fewer uncertainties of dairy policy, should make 1987 a better year for dairy farmers, he said.

Speaking at the Agribusiness Situation and Outlook Conference at Cornell on Dec. 16, Knoblauch predicted that 1987 "could be a turnaround year for dairy farm profits."

Walter C. Wasserman, a Cornell Cooperative Extension dairy marketing specialist, who also spoke at the conference, agreed with Knoblauch's projections.

"Financial stress on dairy farms will not be eliminated, but the situation will not likely become worse," Knoblauch said. "A combination of factors, especially strengthening milk prices and stable production costs, should lead to an improved situation."

Knoblauch said that many New York dairy farmers have earned excellent profits despite financial problems.

A recent survey showed that 73 percent of New York's dairy farmers were in a fairly good position financially, he said. Only 7 percent of the farmers faced serious financial difficulty.

"Although this is a small group, it represents a serious hardship for the families involved in the struggle to stay on the farm and for those forced to leave farming," he said.

The dairy herd buyout program that went into effect in 1986 should improve the supply-demand dramatically at mid-year, Knoblauch said.

He added that lower milk supplies nationally, coupled with robust commercial demand for milk and dairy products, may reduce government stocks of dairy products to barely maintenance levels.

In his presentation, Wasserman said, "The prospect of substantially reduced expenditures for the dairy price support program in 1987 should stave off any interest in making major dairy policy changes during the year."

He estimated the 1987 farm milk price at $11.91 per 100 pounds, an increase of 20 cents over 1986. He said that the greatest part of this increase will result from a 15-cent reduction in the assessment effective Jan. 1.

New York's total milk production in 1986 is estimated at nearly 22 billion pounds, up 1.5 percent from 1985. With 10,000 cows scheduled to be removed from the New York herd in 1987 under the buyout program, the state's total milk production in 1987 is expected to decline by about 2 percent, Knoblauch said.

Although the number of cows decreased by 1.5 percent across the nation in 1986 under the buyout program, milk production increased by 1 percent to a record of 145 billion pounds.

With an additional national decline of 4 percent in the numbers of cows in 1987, total milk production could drop by 2 percent to 142 billion pounds.

Wasserman said that milk supplies in the Northeast are likely to decline by between 2 and 3 percent in 1987, resulting in "an extremely tight market" favorable to farmers during the late summer and fall.

Knoblauch said that production costs including feed, machinery, energy, fertilizer and other items are likely to remain stable in 1987.

Improving milk prices, stable production costs, strong commercial demand for dairy products, the positive impact of the dairy herd buyout program and other factors should make 1987 a turnaround year for dairy farmers, Knoblauch and Wasserman said.

MMI Returns $2.6 Million

STRONGSVILLE, Ohio — More than $2.6 million of equity refunds was returned to the dairy farmer members of Milk Marketing Inc. during 1986, according to Don Schriver, director of member relations and public affairs for MMI.

Of the $2.6 million, approximately $1.68 million was paid in December as regular redemptions to the members and inactive former members of Miami Valley Cooperative Milk Producers Association and Milk, Inc., both predecessor cooperatives that helped form the 1978 MMI merger.

"With this refund for 1986 the total redemption from MMI to its members will total $16 million since MMI was organized in 1978. This is in the line with board policy to have a 10 year revolving plan for member financing of the cooperative. The ability to redeem member equities is the result of MMI's commitment to keep the ownership in the hands of the users. Redemptions are paid 100 percent in cash," explained Schriver.

The remaining redemption amount, after paying the $1.6 million, has been allotted to retired members of MMI age 68 and older, $632,000, to estates, $269,000, and to hardship cases, $47,000.

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RCMA Program Outline

Editor's Note:

To help our readers understand better what they can expect from the Regional Cooperative Marketing Agency (RCMA) we reprint this informational question/answer article and a sample contract. For more information you may contact Harold Ely, RD1, Box 58, Montrose, PA 18801. Or phone; (717) 278-1259.

Q: WHAT IS OVER-ORDER PRICING?

A: Over-order pricing is a means of obtaining a price for milk producers which is higher than the minimum prices established under the Federal Market Orders.

Q: WHAT CRITERIA MUST BE MET FOR OVER-ORDER PRICING TO WORK?

A: In order to work, an over-order pricing system must meet four basic criteria:

1. Premiums to all producers have to be paid on an equitable basis. If the price of Class I milk were raised $1.00 by over-order pricing, the system should ensure that producers share equally in that premium.

2. All milk dealers within the region must be treated equitably. All dealers must be subject to the same premium for Class I milk. No dealer should be placed in a position of losing supplies or markets of milk because over-order pricing has enabled a competitor in the same region to pay less for Class I milk.

3. At least 95% of the milk producers within the Northeast must contractually agree to the over-order pricing system. Virtually all of the milk within the marketing region must be committed to the over-order pricing system so that all dealers are subject to the same over-order price.

4. It should be organized and administered through a regional marketing association to implement the above criteria.

Q: WHAT ASSOCIATION EXISTS FOR THE PURPOSES OF IMPLEMENTING OVER-ORDER PRICING?

A: The Regional Cooperative Marketing Agency, Inc. (RCMA).

Given its prior experience with over-order pricing, it is the logical organization for implementing a new over-order pricing system. RCMA was organized in 1973 when federal order prices were lagging behind the spiraling costs facing dairy farmers. After repeated failures to get the U.S. Department of Agriculture to increase order prices the northeast dairy cooperatives established a common market agency (RCMA) that became the legal frame-work within which realistic over-order prices could be established.

The legality of RCMA was challenged in 1975. That lawsuit eventually went to the U.S. Supreme Court which upheld over-order pricing through common marketing agencies.

Q: WHO CAN BECOME MEMBERS OF RCMA?

A: Up until recently, only cooperatives and Capper-Volstead organizations could become members of RCMA. Now, following a restructuring of RCMA, any dairy farmer located in the northeast can join RCMA.

Q: WHAT ARE RCMA DUES?

A: RCMA does not have any dues. Expenses of administration will come out of any over-order prices established. In 1973-1975 these charges amounted to one to five mills per cwt. The amount of such charges in the future will depend on RCMA activity.

Q: HOW DO I BECOME A MEMBER OF RCMA?

A: Sign the RCMA Member's Marketing Agreement.

Q: WHAT DOES THIS AGREEMENT COMMIT ME TO DO?

A: Producers signing this agreement authorize RCMA to market all milk and milk products sold by them according to the terms of the RCMA by-laws. Article 2 of the by-laws specifically state the purpose and powers of RCMA. They should be read before signing a marketing agreement.

Q: HOW IS AN RCMA MEMBER PAID FOR HIS MILK?

A: Members of RCMA will continue to receive milk checks from their handler for milk shipped at the blend price. Once over-order pricing is instituted, milk processors will pay the difference of the blend price and the over-order price to RCMA. The over-order premium will be paid to members by RCMA. This system is necessary so that all producers are treated equitably.

Q: CAN RCMA TAKE MONEY OUT OF MY MILK CHECK?

A: No. The costs of implementing over-order pricing will be shared by all RCMA members, however, these funds can only be obtained from the over-order premium paid to members. Historically, administrative costs of RCMA averaged between one and five mills per hundredweight.

Q: HOW DOES RCMA MARKET ITS MEMBERS' MILK?

A: The RCMA Board of Directors has adopted a resolution that delegates back to the member, the function of marketing his own milk with the exception of the authority to establish price levels for such milk.

If a particular milk dealer refuses to pay the over-order price, the agency has the authority to withdraw its member's milk supply from said handler and market it wherever the agency determines to be the most appropriate. This RCMA function is imperative if the over-order price is to be enforced.

Q: WHAT HAPPENS IF A FARMER DOES NOT JOIN RCMA?

A: From the farmer's viewpoint nothing will change. He or she would not receive an over-order premium. Only RCMA members can benefit from the over-order system.

If there is not approximately 95% of the milk producers in the northeast committed to RCMA, over-order pricing is not possible.

Q: HOW WOULD PRODUCERS BE ASSURED OF EQUITABLE TREATMENT?

A: To provide an equitable share of the Class I premium for all producers, dealers would pay the Class I premium to the regional marketing association which would pool the premiums and redistribute them according to the regional Class I utilization.

Q: HOW WOULD DEALERS BE ASSURED OF EQUITABLE TREATMENT?

A: By having all producers enrolled in the system, and requiring dealers to pay the premium to the RCMA, not to producers, potential inequities among dealers will be avoided. All dealers will be subject to the same Class I premium.

Q: IF A MILK DEALER REFUSES TO PAY THE OVER-ORDER PRICE AND MY MILK IS DIVERTED TO A COOPERATIVE, WILL I BE FORCED TO JOIN THE COOP?

A: No. The RCMA system prevents such an occurance. If your milk dealer refuses to pay the over-order price, RCMA will divert that milk wherever it can earn the greatest return. That does not mean that you no longer are a producer for that particular in-

(Turn to Page A39)

RCMA Sets

(Continued from Page A1)

Most everyone knows that the butter-powder market sets the price for our milk under the federal orders. "Why should we accept a price that is established on a butter-powder market for our Class I milk when the utilization in the market is pretty much relevant year round?" Ely asked. For example, we sold as much Class I milk in April 1985 as in January. But there was a $1.17 per hundred difference in the prices. We are talking about price over-order. But even if we can hold onto the price we have, we'll be ahead of the game. The support price will drop in January. But if we were ready to go with RCMA, we could bargain to keep the price up.

The meeting here on Monday was called to explain the program and to set in place a team to go out into the production areas to sign up independent producers.

"RCMA was structured for us to go out and ask the independent producers to join with the cooperatives and sign a contract so we can go into the market place to bargain for the milk," Ely said. We have 45 to 50 cooperatives that are already supporting RCMA. And we have independents signed up in the states to the north of us much ahead of what we have in Pennsylvania. So we have a lot of work to do here. Anywhere from two

(Turn to Page A39)

REGIONAL COOPERATIVE MARKETING AGENCY, INC.
831 JAMES STREET
SYRACUSE, NY 13203
(315) 476-9101

MEMBER'S MARKETING AGREEMENT

This AGREEMENT is entered into between REGIONAL COOPERATIVE MARKETING AGENCY, INC. ("AGENCY"), a cooperative marketing corporation organized and existing under the laws of the State of Connecticut, and having its principal place of business in Newington, Connecticut, and the undersigned individual, partnership, corporation, cooperative association, federation, or agency of cooperatives ("MEMBER").

Representations. MEMBER represents that it is either (a) an individual, partnership, or corporation engaged in the production of agricultural products, or (b) a Capper-Volstead organization, a cooperative association or a federation or agency comprised of cooperative associations or federations of cooperative associations, all members of which are engaged in the production of agricultural products, and which markets such products of the persons so engaged, which is operated on a cooperative basis for the mutual benefit of its members and which conforms to the requirements of the Capper-Volstead Act.

MEMBER desires to join with other similarly qualified Members to appoint AGENCY as its agent in the marketing of milk and dairy products sold by or at the direction of MEMBER.

MEMBER agrees to cooperate in every way possible to carry out the purpose for which AGENCY was formed, and does appoint and authorize AGENCY to market milk and milk products sold by or at the direction of MEMBER, with all of the powers set forth in the By-Laws of AGENCY.

AGENCY agrees to use its facilities and resources as may be necessary or appropriate to aid MEMBER in the marketing of the milk and milk products of the MEMBER, its producers and others all in such manner as AGENCY shall determine to be for the best advantage of all its Members.

By-Laws. This Agreement shall incorporate, and be subject to, the by-laws of AGENCY and any and all revisions of or additions to, the by-laws shall be deemed a revision of or addition to this Agreement.

Term and Termination of this Agreement. This Agreement shall be effective until the first day of January following the first full year from the date of signing, subject to the right of either party to terminate this Agreement by written notice given to the other party at least ninety (90) days prior to effective date of withdrawal; after January first following the first full year of membership, this Agreement shall be effective for a term of one (1) year therefrom, and thereafter for successive periods of one (1) year, subject to the right of either party to terminate this Agreement effective January first of any year by written notice given to the other party at least sixty (60) days prior to such effective date of termination.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the _____ day of _____, 19____.

REGIONAL COOPERATIVE MARKETING AGENCY, INC.

MEMBER _____ BY _____

WITNESS _____ ITS _____

DATA SHEET

(please print)

NAME _____

ADDRESS _____

_____

TO WHOM IS MILK SOLD

NAME _____

ADDRESS _____

_____

LOCATION OF RECEIVING PLANT

_____

APPROXIMATE ANNUAL MILK PRODUCTION (to be used in computing proportionate voting)

_____

Here is a sample of the RCMA contract

Seminar To Explore 'Dilemmas of the Mennonite Farmer'

INTERCOURSE — "Dilemmas of the Mennonite Farmer" is the subject of a Saturday Seminar sponsored by The People's Place to be held Jan. 17, 1987 from 7:30 a.m. until 2 p.m. Wilmer Heisey of Elizabethtown will address the many changes occurring in farm life and their effects on Mennonite families.

The seminar will take place at the Millstream Motor Lodge, Smoketown, and is sponsored by The People's Place Associates for anyone who is interested. Heisey will lead three sessions:

• "Farming and Lifestyle"– Is it harder to be a farmer than it used to be? Have our expectations about work, vacation, our children's involvement, and retirement changed? How has our understanding of stewardship changed?

• "Farming and Finances"– What can we learn from the financial causes and problems related to the current farm crises in the East and Midwest? Is there an end in sight? How can we care for those in crisis?

• "Farming and Identity"– Is family farming a viable option? Should families try to keep the farm in the family? How does farming shape one's faith? What about food and Third World concerns?

Heisey, as executive secretary of Mennonite Central Committee U.S., has been actively involved in helping Mennonite farm families cope with their financial struggles. A member of the Farm Task Force under MCC, he initiated the Inter-Mennonite Farm Newsletter and served as its first editor. He also helped establish a hotline for farmers in crisis.

Persons interested in attending the seminar should write The People's Place, Main Street, Intercourse, or call for reservations: 768-7171 between 9 a.m. and 5 p.m.

Tax Meeting

QUAKERTOWN — Tax preparers, farmers, homemakers, and other interested individuals can secure information about federal income tax at the 1987 income tax area meeting to be conducted in Quakertown on Wednesday, Jan. 7. According to Richard A. Bailey, county extension director, discussion of recent changes in tax law should make this year's meeting very informative.

A brochure/registration form is included. Questions about the meetings may be directed to Richard A. Bailey, county extension director, who can be reached by telephone at 215-345-3283.

Weekly Summary

Harrisburg, PA
Friday, Dec. 26
Report supplied by PDA
8 Livestock Markets

(Continued from Page A2)

48.00-58.00.

HOGS: 2816. Compared with 5206 head last week and 3805 head a year ago. Barrows & gilts 1.00-3.00 lower; US No. 1-2, 200-245 lb. barrows & gilts 49.00-52.75; No. 1-3, 200-250 lb. 47.00-51.00; No. 2-3, 210-265 lb. 45.00-50.50; No. 2-4, 220-285 lb. 44.00-50.00; few No. 1-3, 150-200 lb. 43.00-48.00; sows mostly steady to 1.00 lower; No. 1-3, 300-650 lb. 38.00-47.00; No. 2-3, 300-575 lb. 30.00-41.00; boars 33.00-40.00.

FEEDER PIGS: 783. Compared with 899 head last week and 134 head a year ago. Uneven; US No. 1-3, 20-35 lb. 24.00-37.00; 35-60 lb. 37.00-51.50; all per head.

SHEEP: 500. Compared with 1966 head last week and 594 head a year ago. Wooled sl. lambs uneven; High Choice & Prime 65-95 lb. 75.00-84.50; Choice & Prime 75-115 lb. 62.00-77.00; Good 60-105 lb. 50.00-65.00; Good & Choice 45-75 lb. feeder lambs 64.00-78.00; sl. sheep 19.00-27.00.

2 GRADED FEEDER PIG SALES: 1359. Compared with 2463 head last week and 1476 head a year ago. Feeder pigs mostly steady to 10.00 lower; per hundredweight; US No. 1-2, 20-30 lb. 99.00-121.00; 30-40 lb. 112.00-142.00, lot at 152.00; 40-50 lb. 103.00-122.00; 50-60 lb. 96.00-109.00; 60-85 lb. 80.00-98.00; No. 2-3, 20-40 lb. 75.00-109.00; 40-60 lb. 60.00-101.00.

Shepherds Symposium

(Continued from Page A25)

commercial exhibits available.

James Sheeder, Pennsylvania Sheep and Wool Growers Association president and Dr. Clair Engle, an advisor to the Sheep and Wool Growers, and Sheep Extension Specialist at Penn State University acted as co-chairman for this first annual event.

New Zealand Tour

On Oct. 31 to Nov. 20, 1987 the Pennsylvania Sheep and Wool Growers Association is sponsoring a tour of the sheep country in Australia and New Zealand. Through the joint efforts of MTS Travel and the Pennsylvania Sheep and Wool Growers Association, the dedicated sheep enthusiast will be able to go "home" to sheep country. A variety of learning and sightseeing experiences includes stops at government livestock/forage research stations, a lake cruise to the famous Glow Worm caves in New Zealand, and optional overnight host farm visits. With the assistance of Clair and Marilyn Engle, those who go will get a "futuristic look at the sheep industry."

The symposium was sponsored by the Pennsylvania Sheep and Wool Growers Association, the Penn State Cooperative Extension Service, the American Sheep Producers Council and Allied Industries.

RCMA Sets

(Continued from Page A38)

independent shippers in Lehigh county to 665 independent shippers in Lancaster couty. We have a lot of independent dairies in Pennsylvania.

But we have gone to the milk marketing board and they report that the mechanism is in place to deal with the overorder pricing if it comes into play. The dealers will need to have a hearing and the marketing board will recognize it as a cost. So it can be passed on to the consumer.

Ely also introduced Edward D. Anna as the newly appointed executive director of RCMA. Anna succeeds Arthur D. Little who had previously notified the board that is was necessary for him to return to full-time work at Dairylee Cooperative, Inc., where he has been a membership department executive for several years. Anna will assume his new position on January 1. Shortly thereafter, the office of RCMA will be moved from its present location in Syracuse to Batavia.

Anna brings a strong dairy background to the RCMA job. He has been involved with milk production at the farm level, served as assistant manager of Upstate Milk Cooperatives, Inc., and more recently was executive vice president of Cuba Cheese, Cuba, New York. Anna also taught dairy science at Canton Ag and Tech College for seven years.

"RCMA is the only way dairy farmers can directly improve the price they get for their milk," Anna told the group. "I am convinced it can succeed and I am dedicated to make it happen," he said. Proof of that commitment is evident because I left a rather permanent job to accept this position."

Members of the steering committee that were named at the meeting include the following: Carl Brown, PFA, Pine Grove; Robert Pardoe, Grange, Milton; Donald B. Duncan, Grange, Robesonia; Arden Tewksbury, PFU, Meshoppen; Karl Kroeck, PFA, Knoxville; Harold Wolfe, PFU, Centre Hall; and Arthur D. Little, Syracuse.

RCMA Program Outline

(Continued from Page A38)

dependent handler. Once that handler agrees to the over-order price your milk will go back into his plant.

Q: HOW WILL THE NON-COOP MEMBERS BE REPRESENTED IN RCMA LEADERSHIP?

A: Each non-coop member will be assigned to a region. Non-coop producer members in each region will elect a Delegate for each 300 RCMA producer members in the region and one Director from each region. The Delegates will represent the members at meetings of the corporation and the Director will sit on the RCMA Board of Directors. Cooperatives and Capper-Volstead organizations will also have equitable representation in the Delegate body and on the Board.

Q: HOW LONG IS A TERM OF THE MEMBER'S MARKETING AGREEMENT?

A: Essentially it is an annual contract with a January 1st withdrawal date. However, until the first of January following a full year of membership, a member may withdraw with ninety (90) days notice.

Q: ARE THERE ANY OTHER OVER-ORDER PRICING SYSTEMS NOW IN EFFECT?

A: Yes. A recent issue of the USDA **Dairy Market News** reported over-order prices in 35 areas throughout the United States. Very recently, dairy farmers in the southeastern states formed the Sunbelt Dairy Federation to institute over-order pricing.

PUBLIC AUCTION

Located on the Robert Mullendore Farm, 6 milels south of Hagerstown, Md. on the Boonsboro-Williamsport Road (Route 68) 5 miles west of Boonsboro, Md. and 2 miles east of Sharpsburg Pike (Route 65) at Lappans Crossroads.

WEDNESDAY, DECEMBER 31, 1986
AT 8:30 A.M.

Round oak drop leaf stretch table w/extra leaves; another square oak stretch table; nice cherry table w/deep drops; dutch style 2 pc. cupboard w/double glass doors; walnut stand w/drawer; washstand; walnut finish twin beds, M/BS/vanity & bench; Coleman bedroom suite w/twin beds; 2 night stands; chest on chest, double dresser w/mirror; spool & oak double beds; other single & double beds; dressers; nice cedar chest; sofas & occasional chairs; coffee & end tables; open bookcases, depression style side board; mirror; Singer treadle sewing machine; machine bases; 5 pc. wooden dinette set w/porcelain top table; 6 split seat mule ear chairs; other wooden chairs; baby beds; picnic table & benches; oriental style & other room size rugs; good RCA, Sears, Magnavox color TV's; GE & Pasonsonic B/W portable TV's; stereos; Sony recorder & player; Hammond double keyboard elec. organ; parlor stove; humidifiers; kerosun heaters; Frigidaire elec. range; Coldspot refrigerator w/top freezing unit; Signature deluxe 23 chest freezer; wringer washers; other elec. appliances.

Crocks & jugs including blued & signed - John Bell, Parkersburg, Phila. & others, collection of 9 shelf clocks; flat top trunk; butter print & paddles; coffee grinder; mixing bowls; post cards; marbles; brass, copper & silverplate items; oil lamps; pictures & frames; linens; doilies; scarfs, etc.; Mr. Peanut & ethinic shakers; paper weights; salt dips; candlewick & other crystal; Balto. pear berry set sugar & cream, butter; blue & green RS German china, other German; pink & green depression & other collectible articles.

FARM MACHINERY

Massey Ferguson 1135 diesel tractor w/comfort cab, WF, power steering, dual hydraulics, 3300 hrs.; Int. 886 diesel tractor w/rops, WF power steering, dual hydraulic, 3000 hrs.; Int. 544 gas utility gas tractor, WF, power steering, dual hydraulics; Int. 2250 loader to be offered separately & together w/tractor; Case 5C tractor, exc. condition, completlely overhauled; MF 880 5/16 automatic reset plow; Amco F17 transport 13 ft. disc, New; Int. 7 ft. chisel plow; 3 secton lever harrow; New Holland 489 haybine, new condition; Lely wheel rake; Int. 430 baler & kicker; Farmec 30 ft. elevator; 2 Danco 16 ft. hay wagons; J.D. four row corn planter; Int. 10 16/7 disc grain drill; Int. 56 snout; J.D. 465 flail manure spreader; Badger liquid manure pump; 1 yr.; Clark 300 gal. field sprayer; Woods C80 rotary mower; Gandy boxes; machinery wheels; like new accetylene torch; hose & gauges; forge; rubber tire wheel barrow; Craftsman S.P. 22 in. rotary mower, like new; hand & garden tools; western quilted seat saddle.

VEHICLES

1986 Chev. C10 pickup, 8 ft. bed, PS, PB, straight stick, 15000 miles.

1986 Chev. Nova 4 dr., 4 cyl., PS, PB, 4100 miles. Vehicles & machinery to be sold approx. 12 noon.

Terms: Cash - not responsible for accidents.

Sale Managed & Conducted by:
Robert C. Mullendore
Phone (301) 582-0546
Auction Bldg. 582-2039
Clerk C. L. Metz

Seats Eats Heat

Preview: Tuesday Eve., Dec. 30 from 6 to 8 P.M.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

DECEMBER

FRI. DEC. 26 - 11AM 200-250 Stockers and Feeders. At Green Dragon Livestock Sales, 1 mi. N. of Ephrata on State Street. Walter Risser, Proprietor.

SAT. DEC. 27 - 10AM Sewing Materials and Supplies. Village of Kirkwood on Maple Shade Rd., 6 mis. S. of Quarryville, 6 mis. N. of Oxford on Rt. 472. By Owner: Abram B. Stoltzfus. Norman W. Hart, Auct.

MON. DEC. 29 - 3PM Paradise Fire Hall, approx. 10 mis. E. of Lancaster along Rt. 30, behind Meridian Bank. Books. Annals of Conestoga Valley Martyrs' Mirror 1814. Ron Funk Aucts.

WED. DEC. 31 - 8:30AM Farm Machinery, Vehicles. Located Robert Mullendore Farm, 6 mis. S. of hagerstown, MD, on the Boonsboro-Williamsport Rd., (Rt. 68), 5 mis. W. of Boonsboro, MD, and 2 mis. E. off Sharpsburg Pike (Rt. 65) at Lappans Crossroads. Robert C. Mullendore, Auct.

JANUARY

FRI. JAN. 2 - 11AM Hay & Straw Auction. At the Jim Plank Hay Storage Building, 8 mis. N. of Westminster, MD, and 4 mis. S. of Littlestown, PA, on Rt. 97 in Silver Run, MD. Hee Haw Hill Farms. Robert C. Mullendore, Auct.

HAY & STRAW AUCTION

Located at the Jim Plank hay storage building, 8 miles north of Westminster, Md. and 4 miles south of Littlestown, Pa. on Route 97 in Silver Run, Md.

FRIDAY, JAN. 2, 1987
at 11:00 A.M.
250 TONS OF BALED HAY & STRAW 250

Consisting of alfalfa, timothy, mixed hays & straw, selling in lots of 40 bales to 110 bales. Hay will be sold by ton and will be weighed on certified scale prior to sale and can be reweighed on sale site in your presence at your request. All hay & straw will be stored & sold under cover and will be on pallets with fork lift available for fast & easy loading. Trucking will also be available at nominal fee.

Inspection may be made Jan. 1 from 8 A.M. to 5 P.M. and on sale day from 8 A.M. Ample time will be allowed for removal.

We invite you to attend this auction whether you need hay today or in the future as this auction will help us to offer you the quality & quantity that you want in the future.

TERMS: Cash or good check - Not responsible for accidents.

HEE HAW HILL FARMS
Phone (301) 848-8780
848-8792

Auctioneer: Robert C. Mullendore
Clerk: C. L. Metz

Lunch Available

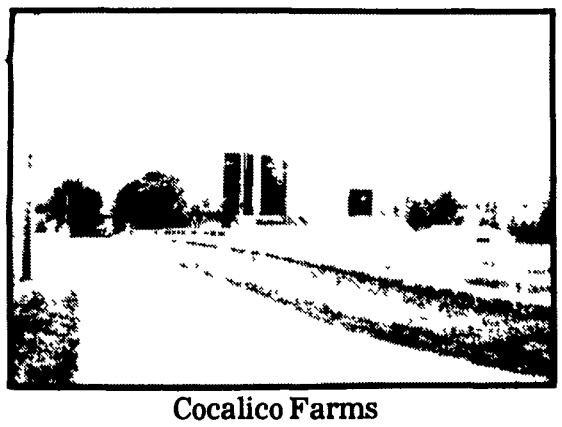
HOLIDAY DAIRY TOUR

Tuesday, December 30 - 10:30 AM

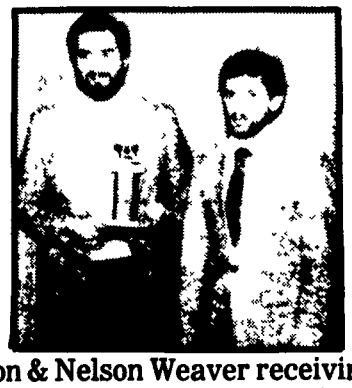
Meeting Place: Parking lot of Nichol's Discount City,
Rt. 272 north of Ephrata

RESERVATIONS APPRECIATED
(Call the Penn Jersey office - 717-354-4051)

STOP #1: COCALICO FARMS, PAUL B. ZIMMERMAN
42 cows in tie-stall barn. 5 Excellent cows: 2 Quality Ultimates, 1 Willow, 1 Oakhill Ranch Kit, 1 Cocalico Astro Moonlite (2E 94pts. -over 1,000 lbs. BF). Also 23 Very Good cows. Feeds Harvestore® -processed haylage, cornlage and H.M. shelled corn with oats. 18,300 lbs. milk, 701 BF, 3.9 test.

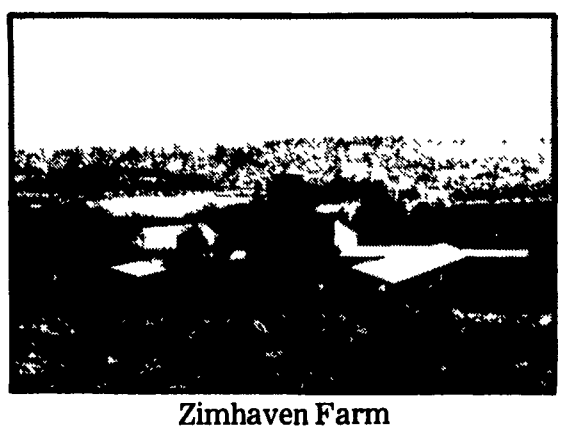

Cocalico Farms

STOP #2: PENN JERSEY OFFICE
Enjoy a pork and sauerkraut lunch on Penn Jersey and see a demonstration on the exciting new **GOLIATH® II** forage unloader!
ASK US ABOUT SPECIAL YEAR-END DISCOUNTS ON THE GOLIATH® II.

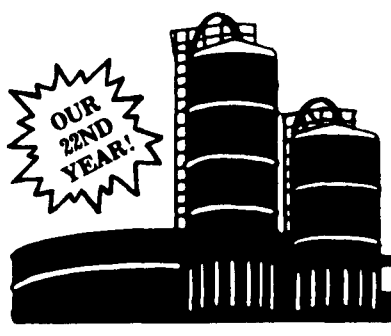

Don & Nelson Weaver receiving award for high fat production.

STOP #3: WEAVER HOMESTEAD FARM, DON & NELSON WEAVER
TOP BUTTERFAT HERD in Lancaster Co. in 1986 DHIA. RHA 23,138 lbs. milk, 866 BF. 76 cows in tie-stall barn. Mostly grade with a few registered. Feed total mixed ration of Harvestore® -processed H.M. shelled corn, haylage and rye - no baled hay for 4 years!

STOP #4: ZIMHAVEN FARM, D. MARTIN & LOREN ZIMMERMAN FAMILIES
5 Harvestore® Structures - first one built in 1967! Slurrystore System and TMR mixer. 68 registered Holsteins - 2 EX, 17 VG, 27 GP. 18,956 lbs. milk, 725 BF. 1 Excellent Ivanhoe Star (3E 92 pts), 1 Glendell Arlinda Chief (E 90 pts.). Feed total mixed ration of Harvestore® -processed haylage, cornlage, H.M. shelled corn and roasted beans. No commercial purchased feed. Top quality haylage - 23% CP, 67% TDN, 29% ADF.


Zimhaven Farm

SEASON'S GREETINGS FROM EVERYONE AT PENN JERSEY!



PENN JERSEY PRODUCTS, INC.

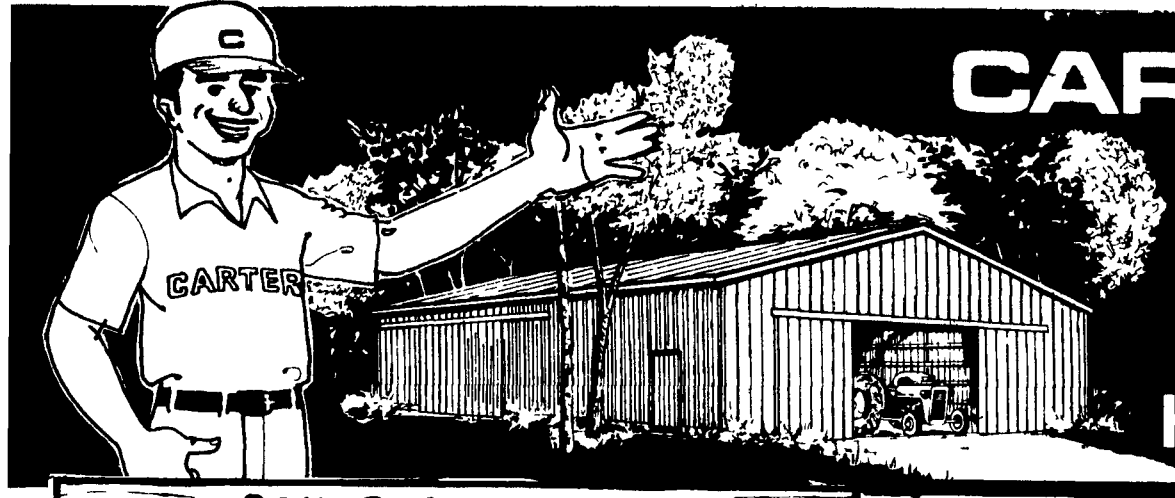
THE AREA'S AUTHORIZED HARVESTORE® SYSTEMS DEALER

P.O. BOX 7 • NEW HOLLAND, PA • 717-354-4051

SUB-STATIONS SERVING YOU FROM

New Enterprise, PA	Newville, PA	Columbus, NJ
814-766-2364	717-776-3397	609-298-7136
Ken Bupp, Mgr.	Maynard McCullough, Mgr.	Charles Van Mater, Mgr.

"We care about your business!"



CARTER *Lumber*

Your POLE BUILDING MATERIALS HEADQUARTERS

SQUARE BARN POLES
Pressure Treated

	8'	10'	12'	14'	16'	18'	20'	22'	24'
4"x4"	3.89	5.95	6.95	7.95	9.35	—	—	—	—
4"x6"	6.99	8.09	11.39	12.75	16.65	19.65	23.39	—	—
6"x6"	13.45	15.25	18.75	21.55	26.55	30.55	35.49	40.75	48.19

2x6 Center Match Treated Boards

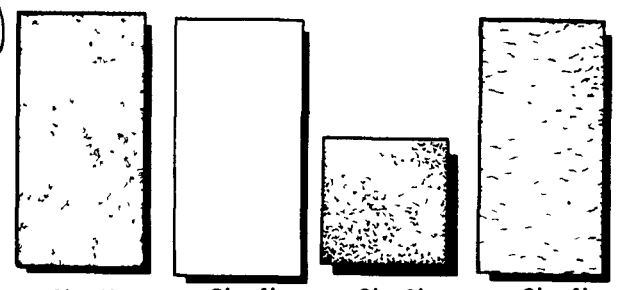
8'	10'	12'	14'	16'
3.89	4.45	6.15	6.59	8.45

4'x8' PLYWOOD
ASSOCIATION GRADE STAMP

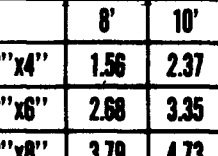
	1/4"	3/8"	1/2"	5/8"	3/4"
GIS EXTERIOR YP	—	10.15	12.55	15.25	17.39
CD EXTERIOR	—	7.85	7.75	11.65	14.19
T&G UNDERLAY	—	—	—	13.95	15.39

Armstrong © CEILING PANELS

Here are just a few examples of the wide variety of ARMSTRONG quality ceilings you can choose from.



2' x 4' Impressions #1135	2' x 4' Plain White #280	2' x 2' Bravada #936	2' x 4' Textured #942
•Textured •Washable	•Washable	•Fire-retardant •3-dimen	•Fire-retardant •Washable •Acoustical
$2.35 per panel	$2.49 per panel	$4.15 per panel	$2.95 per panel



DIMENSION LUMBER

	8'	10'	12'	14'	16'	18'	20'
2"x4"	1.56	2.37	2.81	3.26	3.83	4.63	5.15
2"x6"	2.68	3.35	4.02	4.69	5.36	7.02	7.80
2"x8"	3.79	4.73	5.68	6.63	7.57	9.72	10.80
2"x10"	5.48	6.85	8.22	9.59	10.96	12.84	14.27
2"x12"	6.54	8.18	9.82	11.45	13.09	15.19	16.88

22', 24', 26' Lengths Available

Georgia-Pacific PANELING

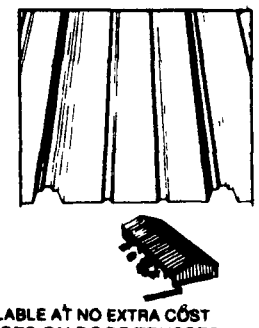
- ¼"-4' x 8'
- Can be applied direct to studs
- Suitable for below grade application

SPECIAL BUY

VISTA BARNBOARD
$4.99

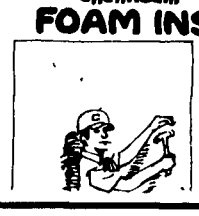
FABRAL

STRONG RIB ALUMINUM	GRAND RIB 3 PAINTED STEEL 29 GAUGE
$47.75 100 SQ. FT. 36" NET COVERAGE	$48.00 100 SQ. FT. 36" NET COVERAGE
GRAND RIB 3 GALVANIZED 29 GAUGE	1¼" CORRUGATED GALVANIZED 29 GAUGE
$35.00 100 SQ FT 36" NET COVERAGE	$37.25 100 SQ FT



CUSTOM LENGTHS AVAILABLE AT NO EXTRA COST
ASK FOR OUR LOW PRICES ON ROOF TRUSSES

Chemfoam® POLYSTYRENE FOAM INSULATION BOARD



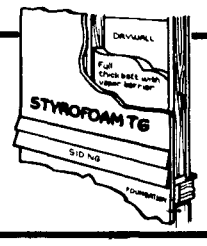
• 1"x4'x8'

$3.55

STYROFOAM® TG

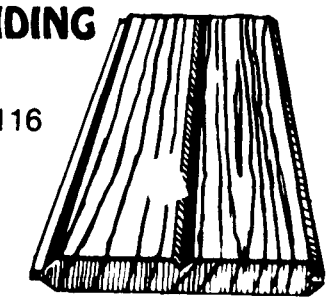
• For sheathing exterior walls. 1"x4'x8'.

$9.29



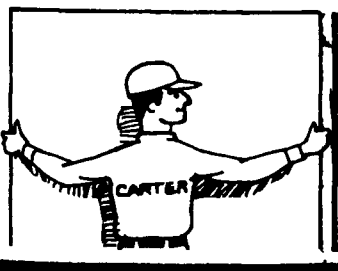
BARN SIDING

- 1" x 8"
- Pattern #116
- Grade #3



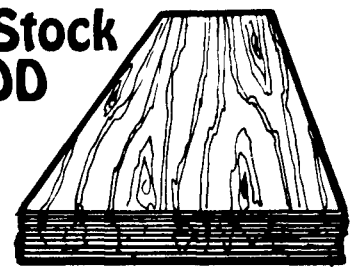
34¢ PER LIN FT.

Celotex © Tuff-R SHEATHING



½"x4'x8' R-3.6	$5.79
¾"x4'x8' R-5.4	$7.29
1"x4'x8' R-7.2	$9.99

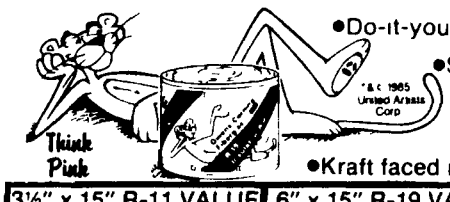
Cabinet Stock PLYWOOD



- 3/4" x 4' x 8' Use for cabinets and many other household projects

Birch (Grade A-2)	$36.69 Ea.
Fir (Grade AA)	$26.89 Ea.
Oak (Grade A-2)	$45.35 Ea.

PINK FIBERGLAS INSULATION



- Do-it-yourself
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CARTER 1986

Church Congregation Lends A Hand When 'Baby' Is Triplets

BY SALLY BAIR
Lancaster Co. Correspondent

SCHOENECK — The essence of the spirit of Christmas is joy and sharing, and for the congregation of Pleasant Valley Mennonite Church, Ephrata, both abound this Christmas.

Joy came in the form of triplet daughters born to congregation members Melvin K. and Janet Martin, Schoeneck. Sharing comes in the congregational response to the family's needs by providing diaper service and evening meals each day.

One member, Ella Sensenich, put it this way, "It's a joy to all of us to reach out and help them."

The Martin family nearly doubled with the birth of the triplets, since there were four children at home. Now the family numbers seven, six girls and a boy. The children include Lisa, 8; Tracey, 7; Michelle, 5; Troy, 20 months; and the triplets - Denise, Deanne and Debra.

The babies were born Nov. 6 and for the first several weeks, family members provided meals to the Martins. On Nov. 14, members of the congregation began providing the evening meals for Monday through Friday of each week.

Lena Mae Burkholder, who is coordinating the effort, says, "I put a calendar on the bulletin board and everyone does it real willingly." Lena Mae calls each family which has signed up a few days in advance to remind them of their commitment.

Families who are bringing the meal do it at their convenience. Some bring it early in the day, and Janet reheats it, while others bring it right at meal time. Lena Mae says they will continue bringing the meals at least through January.

Janet says, "The meals are really a lot of help. I don't have to worry about what to make. And often it is feeding time when it's time to think of the meal."

Another important service the congregation is providing is regular diaper service for four babies. Nancy Ulrich, a deacon with the church, has organized that effort. She said collection boxes were passed in both the young women and older women's classes, and she notes, "We hope to keep it up until they are potty trained."

About the effort of the church, Nancy says, "The response has been tremendous. People called and wanted to know what to do. I visited Janet the first afternoon to see how we could help. The triplets are the most popular topic of conversation."

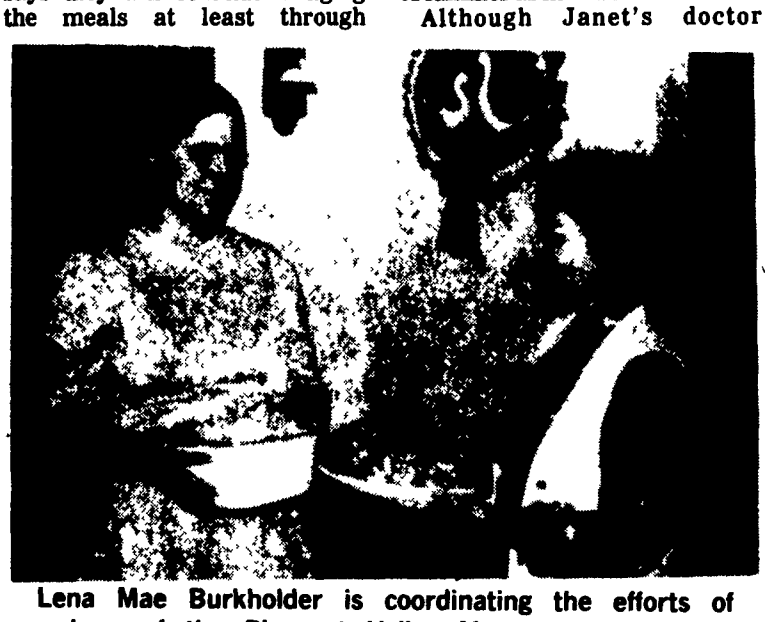
She added that many of the members have young teenage daughters who are eager to have the opportunity to help with the babies, and some are planning to help during the summer.

Church members also came up with the two additional car seats needed for the three little ones, and they have been loaned to the Martins for as long as they need them. Nancy's sister, Karen Weaver, made matching covers for the seats.

As a deacon, Nancy says it is her responsibility to see that members' needs are met. Nancy also explains that members have taken meals to other members with new babies, but adds, "There hasn't been a need like this. This is the biggest project we've taken on."

Pleasant Valley Mennonite Church is about 5 years old and has 61 families as members.

The Martin family takes time for a family portrait. Seated, from left, are Mel, holding Denise; Lisa, holding Deanne; and Janet, holding Debbie. Seated in front are Michelle, holding Troy, and Tracey. Family life at this point revolves around the triplets, who were born Nov. 6.



Lena Mae Burkholder is coordinating the efforts of members of the Pleasant Valley Mennonite Church in bringing daily evening meals to the Melvin K. Martin family of Schoeneck. Here Janet accepts some Christmas cookies and a casserole from Mrs. Burkholder.

Although Janet's doctor steadfastly maintained that he heard just one heartbeat, Janet was expecting at least twins at this birth. One reason was that she had grown "so much bigger" than in previous pregnancies. Another was that there are quite a few twins on her husband's side of the family — 17 sets to be exact.

Melvin relates that his two brothers and one sister each have a set of twins. In fact, all 17 sets of twins are descendants of his grandmother on his mother's side. Janet says, "There are none in my family at all."

Janet went to the hospital five weeks early, and was prepared with two names. Melvin, who was present when they were born, says the third one didn't make much impression at the time — "You're in a daze." Janet adds, "I was sort of expecting twins, so one more didn't matter."

While the doctor was surprised by the three births, Janet recalls that the nurses were "really excited about it." In some ways, they are glad it was not known that she was carrying triplets, because otherwise she would have had to deliver at a hospital that had a neonatal unit. Melvin explained, "Usually when there are three, there is at least one that is under stress and needs more attention."

That turned out to be true with the Martin girls because the third baby, Deanne, had to spend an extra two and one half weeks at Hershey Medical Center to overcome some lung problems. Janet and Debra and Denise came home on schedule, just three days after delivery.

The three girls weighed at birth 4 pounds, ½ ounce; 4 pounds and 5 ounces and 4 pounds and 10 ounces. Now they weigh a hefty 6 pounds, 7½ pounds and 8 pounds.

Having triplets has changed life at the Martin house. One end of the kitchen is given over to the cribs where the girls spend a lot of time.

The girls' first outing, other than to the doctor's, came last Sunday when they visited Mel's family for a Christmas celebration. Their second visit was to Janet's family in Schaefferstown for Christmas Day. However, Mel says, "We don't go away as much." Fortunately, the family has a van which will provide enough space when the whole family becomes more mobile.

Feeding time requires a second set of hands. Janet said, "It's impossible to do alone." For help, the Martins have a young friend who stays with them from Monday through Saturday. At night, however, a relative comes and provides the extra help.

Janet said, "We try to keep them all on the same schedule. It takes two of us, and we feed them every three hours during the day and every four hours at night." The extra person naps on the sofa downstairs during the night while Janet tries to sleep between feedings. She is nursing, so must be there for each feeding. She explained that she nurses Deanne, the small one, at each feeding, and the two larger ones nurse at alternate feedings. The girls take about three ounces at each feeding.

It's not too difficult to keep them on the same schedule because Janet says when one wakes up they usually all begin to stir. On Saturday night Mel takes his turn sleeping on the sofa to help with the feedings.

The triplets are identical, though Janet says two of the three look more alike. She said she has had no trouble in keeping them separate because one is smaller and another has a tiny birthmark on her leg.

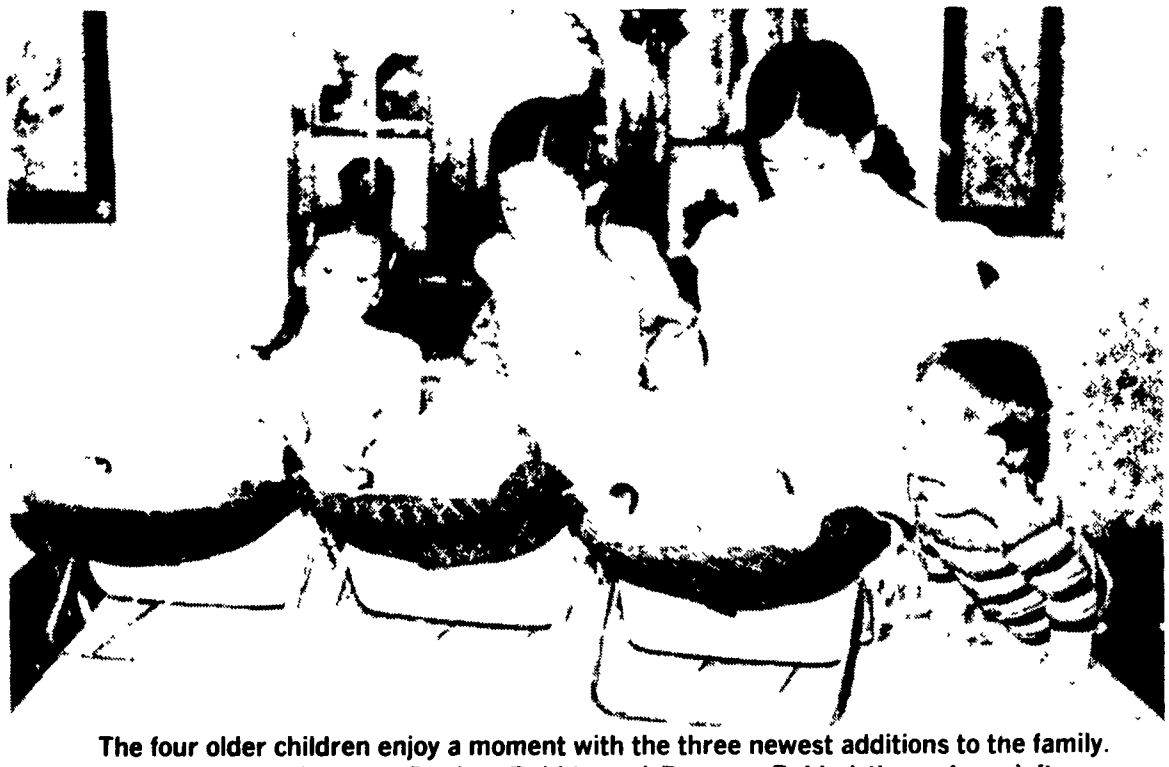
Although it is very early for a lot of personality, Janet has observed that Denise, the biggest, is also the most active and, not surprisingly, drinks more than the others.

The three older girls go to Ephrata Mennonite School, though Lisa, 8, says, "I'd rather stay home than go to school." Indeed, the girls love holding their infant sisters, and enjoy watching them in their cribs. Lisa notes, "I like holding them the best." Janet recalls their reaction to the three births, "They were excited because they would each have one to hold."

Janet does do grocery shopping for the family. She said breakfasts are simple, usually cereal for the children, and school lunches are packed. Wash for seven children, especially three infants, mounts up, so Janet says, "I wash whenever I have a load."

Mostly, she says realistically, "Our lives revolve around the triplets."

While the Martins settle into the strenuous routine of caring for three infants while nurturing the four older children, they do so with the knowledge that their congregation is joyfully sharing in their lives. This Christmas, in the Pleasant Valley Mennonite Church, the Christmas story has even more meaning. And they will continue to share their joy far into the new year.



The four older children enjoy a moment with the three newest additions to the family. The triplets, from left, are Denise, Debbie and Deanne. Behind them, from left, are Tracey, Michelle and Lisa, with brother Troy looking on. Two of the car seats were loaned by members of the congregation, and another member made the matching covers.

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Have You Heard?

By Doris Thomas
Lancaster Extension
Home Economist

Turkey Planned-Overs

Turkey that will provide your family and friends with a delicious Christmas feast can become dull, unappetizing fare when it reaches the leftover stage. Instead of tiring your family, freeze the leftover meat for delicious dishes later on.

You can prepare tasty casseroles by combining cubed turkey with vegetables, sauce, seasonings, cooked spaghetti, macaroni, noodles or converted rice.

Prepare the casserole, cool quickly and place in meal-sized freezing containers or a casserole dish. Cover tightly with moisture-vapor resistant wrap and freeze immediately.

If your family prefers turkey sandwiches and creamed turkey dishes, you can freeze the leftovers in slices and small pieces. If possible, cover the slices and pieces with broth or gravy to prevent contact with air. This also lengthens storage life. Package in air-tight, meal-sized packages or containers and freeze quickly.

Frozen turkey does not improve with age and it does not retain good eating for as long a period of time as do some other meats.

If you are going to freeze turkey, remember this freezing guide — one month for slices or pieces; six months for slices or pieces covered with broth or gravy; and six months for turkey casserole dishes.

Enjoy your turkey planned-overs by freezing the meat in a form your family will enjoy. It will also be a time saver when you serve it in the future.

How To Raise A Child Without Going Broke

Young families want the best life can offer their children, but this takes money. Lots of money. On the average, children born this year will cost their parents well over $125,000 before they reach 18. But there are many ways to give children rewarding experiences without going broke.

Here are just a few points to consider:

• Have a healthy attitude about money: encourage ways of learning, enjoying people and doing activities without it. Reinforce this attitude by doing things together that don't cost money. Read together in the evenings. Take walks on weekends. Go on special outings to the park or museum. Encourage games that involve creative play rather than those that rely on Cabbage Patch dolls or Transformer robots.

• Talk about money in a way that reinforces family values. For example, discuss giving money to your church. Make a group decision to buy a used car or a less expensive television. Plan a toy-exchange party with friends.

• Teach children how to spend family money wisely, and keep in mind the family's needs. Take your children to the grocery store and let them help you buy things. Children often enjoy reading cereal box labels, so teach them how to read the ingredients lists and compare prices.

• Help your children resist the temptations of television advertising, flashy labels, gimmicks and peer pressure. Encourage healthy skepticism about what they watch on TV and see in the stores. Help them feel good about themselves, so that owning the latest toy isn't essential for self-esteem.

• Encourage your children to be innovative. Homemade play dough costs pennies to make, and feels just as good between the fingers as the expensive stuff. Cardboard boxes, safe kitchen utensils, old clothes, and many other household items make playthings that can entertain for hours.

• Take advantage of free goods and services. Your tax dollars buy community resources such as parks, playgrounds, libraries and health services. These are available to all families.

You don't have to spend a lot of money to enjoy life.

Cake Frosting

You can make a festive, light frosting for cake with whipped cream stabilized with gelatin. Soften 1 teaspoon unflavored gelatin in ¼ cup cold water. Heat the mixture to dissolve the gelatin. As the mixture cools, whip 1 cup whipping cream and sweeten to taste. Fold the cooled gelatin mixture into the whipped cream to produce enough icing for a two-layer cake. Refrigerate frosted cake until time to serve.

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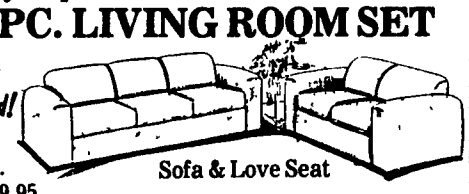
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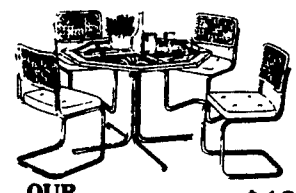
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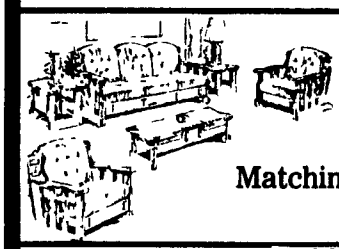
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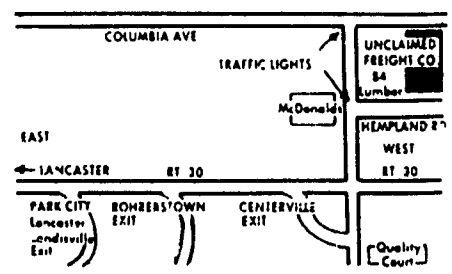

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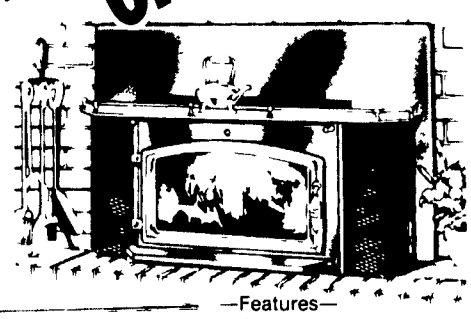

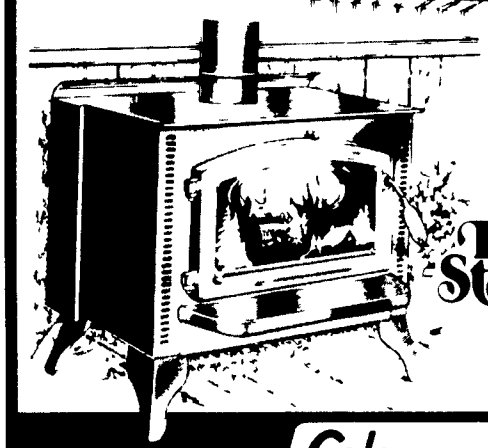

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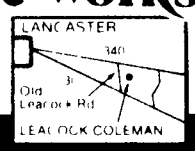

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On being a farm wife - And other hazards

Joyce Bupp

Good grief! Can it really be?

Just when I was finally getting in the groove of writing 1986, instead of 1985, on checks and correspondence, now it's time to reprogram the old brain again. With past history in mind, by about September the use of 1987 will begin to feel comfortable.

Is it indicative of aging — or too many commitments and too few days — that time flies by so much faster with each passing year? Remember how long it once seemed to take for Christmas or vacations to arrive? Now, it almost seems as if our lives have been shoved into "fast forward," like kids do with VCR's to get to the good parts of the movie.

But enough of that.

It's the little things that count, we often hear. And, that can be good little things that cheer us up, or small irritations which snag a day or a mood. "Warm fuzzies" the good little things that boost a day are sometimes called. Or "cold pricklies," nasty irritations that otherwise snarl a good feeling.

For 1987, it would be nice to do away with some too familiar "cold pricklies." (Or "pwickwies" as our youngest called them years ago when they covered this subject in kindergarten.)

Like nasty lightning storms. Broken fences and heifers in lush corn. Flat tires. Splinters. Ballpoint pens which leak ink all over your fingers -- or clothes

Thread which snags and balls up under the sewing machine plate. Envelopes which don't stick. Drawers that do.

Boots with an unseen rip in them that turns up when I turn the hose on to wash them off. Socks with holes in the toes.

And one of the worst "cold pricklies" of just this past year: a recorded message which greeted me one day when I answered the phone, and asked ME to hold. What I did to the phone receiver might have been considered a pricklie by the phone company.

Cabbage worms and flies. Running wallets through the laundry. Dust. Weeds with thorns Having my precious house and garden tools snagged for barn and farm use.

But I'd rather dwell on the "warm fuzzies."

An unexpected call from a friend. Chocolate candy. The warmth of the woodstove on an icy morning.

Flowers — of any kind. And the brilliance of the sunshine in the greenhouse against a snowy landscape. Laughing little children.

The smells of fresh mown hay, pine trees, clean, freshly-laundered sheets, and brownies baking in the oven. Canada geese resting over on the pond. Having Rhett, the tiger cat, curl up on my lap. Wind chimes.

Black and white cows contentedly grazing a green pasture under brilliant blue skies.

Ice cream and strawberries. Our resident red-tailed hawk cruising lazy circles above the meadow.

Comfy, well-worn sneakers, jeans, and sweatshirts.

Taking the milker off the last cow in the barn. A full hay mow. Walking under a star-spangled, moonlit sky on a crisp, frosty night.

Those are among my choices. Your list would be different.

But whatever they are, may your New Year be sparsely populated with "cold pricklies" and may "warm fuzzies" run through your days unabated.

A happy, peaceful and prosperous 1987.

York Student Wins Dairy Scholarship

YORK — A 17-year-old Pennsylvania student, who has raised and shown both Holstein and Jersey dairy cows, has been named one of six national winners in the 4-H dairy program.

Sue Eisenhart, R1, Thomasville, received a $1,000 scholarship from American Cyanamid Co. and Land O Lakes, Inc., the program sponsors.

Selected by the Cooperative Extension Service, the winners were presented with their awards during the 65th National 4-H Congress in Chicago, earlier this month. Awards are arranged by National 4-H Council.

Eisenhart, the daughter of Mr. and Mrs. Rodney and Sara Eisenhart, is a junior at Spring Grove Senior High School who plans a career in accounting. She is a nine-year 4-H'er.

The York County girl's first calf was a Holstein. "We were buddies and learned to show together," the 4-H'er said. "However, the calf grew too fast and by the second year I couldn't see the judge over her back. So enter the Jersey breed. My mother felt it would be better for me to show a smaller animal.

Her new dairy animal, Daisy, turned out to be a winner. "She has topped our Dairy Herd Improvement Association test on our farm several times. This is a large Holstein herd with 100 animals housed in a free-stall barn and a bunk feeder."

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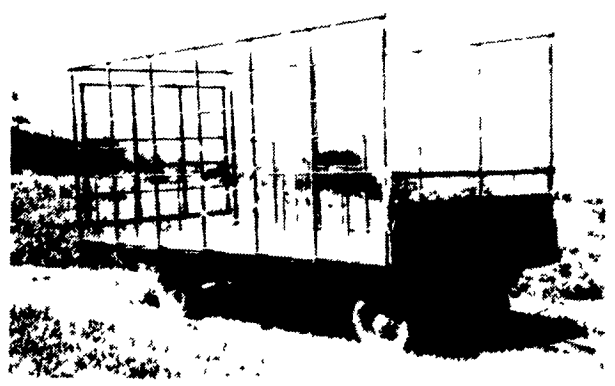

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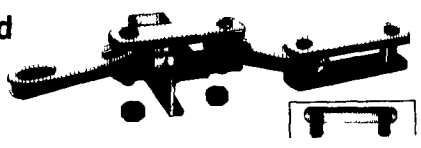

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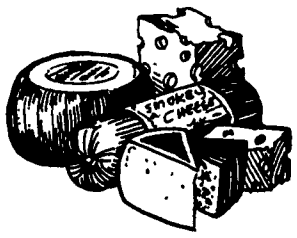
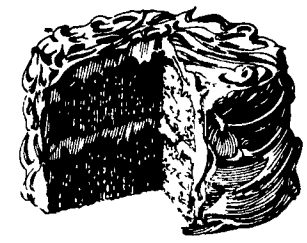


Home On The Range



Turn Leftovers Into Delectable Casseroles

The remains of the huge turkey or ham that graced your table Christmas day are probably sitting in your refrigerator right now waiting to become the ingredients for a super casserole.

To help you devise ways of disguising leftovers we've compiled a list of "leftovers" recipes for you. Unfortunately, you'll probably use all your leftover meat before you run out of recipes you want to try.

TURKEY-OLIVE POLENTA
3 tablespons butter
4 tablespoons flour
½ teaspoon marjoram
½ teaspoon tarragon
1⅔ cups turkey or chicken broth
1½ cups cubed cooked turkey meat
1 cup pitted ripe olives, halved or quartered
⅔ cup cubed tomato (½ inch cubes)
⅔ cup frozen peas
Polenta topping
⅓ cup grated Parmesan cheese or Monterey Jack cheese

Melt butter in a saucepan over medium-high heat. Stir in flour, marjoram and tarragon and cook until smooth and bubbly. Add turkey broth and whisk until smooth. Cook, stirring continuously, over medium-high heat until it thickens and comes to a boil. Remove from heat and stir in turkey, olives, tomato and peas. Pour into greased 1½-quart shallow baking dish. Cover with Polenta topping and sprinkle with cheese. Bake in 350°F. oven for 30 minutes or until hot. Garnish with additional olives if desired.

Polenta topping: Combine 2 cups milk, ½ cup yellow cornmeal and ¼ teaspoon salt in saucepan. Cook over medium-high heat, stirring constantly until mixture comes to a boil. Reduce heat to medium and boil gently 1 minute. Remove from heat and stir in 2 tablespoons butter and ½ teaspoon rosemary (crumbled). Makes 4 servings.

HEARTY TURKEY-RICE SOUP
2 chicken bouillon cubes
2 cups boiling water
½ cup celery slices
½ cup carrot slices
¾ pound pasteurized process cheese spread, cubed
1½ cups cooked rice
1½ cups chopped cooked turkey or chicken
1 4-ounce can mushrooms, drained

Dissolve bouillon in water; add celery and carrot. Cover; simmer 20 to 25 minutes or until vegetables are tender. Add remaining ingredients; stir until process cheese spread is melted. Makes 5 1-cup servings.

GIANT TURKOVER
Filling:
½ cup chopped green onion
½ cup thinly sliced celery
¼ cup butter
1 tablespoon flour
3 cups finely chopped turkey
¼ cup toasted sliced or slivered almonds
¾ teaspoon salt
Crust:
2 cups all-purpose flour
1 teaspoon salt
⅓ cup corn meal
¾ cup shortening
6 tablespoons cold water

In a large skillet, saute onion and celery in butter. Stir in flour. Add remaining ingredients and mix thoroughly. Set aside.

In a large bowl, combine flour, salt and corn meal. Cut in shortening until particles are size of small peas. Sprinkle mixture with cold water; stir with fork until dough is moist enough to hold together. Form into a square. Roll out to a 13-inch square on floured surface. Transfer to large, ungreased baking sheet. Spread mixture over half of dough to within ½ inch of edges. Moisten edges. Fold over other half to form triangle or rectangle. Seal edges with fork. Cut gashes to mark servings and allow steam to escape. Bake at 425°F. for 25 to 30 minutes. Serve hot with Turkey Mushroom Sauce.

Turkey Mushroom Sauce:

Saute ½ cup mushroom pieces in 3 tablespoons butter; add 3 tablespoons flour and 1½ cups turkey broth. Cook until thickened; add 2 tablespoons chopped pimento, 1/8 teaspoon poultry seasoning, ¼ teaspoon salt and 1/8 teaspoon pepper. Blend one slightly beaten egg into mixture by first adding small amount of hot sauce into egg and then stirring egg into sauce. Heat one minute, stirring constantly.

HAM AND NOODLE CASSEROLE
½ pound baked ham, cubed
½ pound Velveeta cheese, cubed
1 can golden mushroom soup
1 soup can of milk
1 8-ounce package noodles
1 cup crushed potato chips

Cook noodles in salted water. Drain. Pour hot, drained noodles over cubed Velveeta in a large bowl. Stir until noodles are coated. Stir in cubed ham. Add soup and milk. Stir until well blended. Pour into buttered 3-quart casserole. Cover with crushed potato chips. Bake covered at 350°F. for 45 minutes. Remove cover and brown 15 minutes longer. This casserole can be frozen.

Mrs. Charles Rosenburg
Chambersburg

Turkey-Olive Polenta offers the perfect solution to the leftover Christmas turkey blues.

TURKEY CHEESE CASSEROLE
½ cup chopped onion
¼ cup butter or margarine
¼ cup unsifted flour
1 tablespoon chicken-flavored instant bouillon
2½ cups homogenized (canned) milk
10 slices American cheese
3 cups cubed cooked turkey
2 cups cooked elbow macaroni
2 tablespoons chopped pimento
1 cup buttered soft bread crumbs
3 slices American cheese, cut in half diagonally

Preheat oven to 350°F. In medium saucepan over medium heat, cook onion in butter until tender; stir in flour and bouillon. Add milk and cheese pieces; cook, stirring until sauce thickens and cheese melts. Remove from heat. In large bowl, combine turkey, macaroni and pimento; stir in sauce. Turn into lightly greased 2-quart baking dish. Sprinkle crumbs evenly over top; bake 25 minutes or until bubbly. Arrange cheese slices on top; return to oven five minutes or until cheese begins to melt.

EASY TURKEY JOES
½ cup catsup
¼ cup currant jelly
2 tablespoons finely chopped onion
1 tablespoon Worcestershire sauce
2 teaspoons prepared mustard
¼ teaspoon salt
Dash of garlic powder
2 cups diced cooked turkey
4 hamburger buns, toasted

Combine first 7 ingredients in saucepan. Simmer about 15 minutes. Stir in turkey. Simmer 10 minutes more. Spoon mixture on toasted buns. Makes 4 servings.

HAM, POTATO AND CHEESE CASSEROLE
3 cups cooked cubed ham
3 cups cooked cubed potatoes
1 medium onion
3 tablespoons green pepper (optional)
½ stick margarine
2½ tablespoons flour
2 cups milk
¾ cup shredded cheese
Salt and pepper to taste

Cook onion and pepper in butter 5 minutes. Add flour and stir. Add milk and cook until thickened, season and add potatoes and ham. Put in 2-quart casserole and top with shredded cheese. Bake at 350°F. for 25 to 30 minutes. You can also use weiners in place of ham.

Mrs. Merle Mishler
Hollsopple

KING MIDAS TURKEY CASSEROLE
Shell:
2 cups flour
¾ teaspoon salt
2 tablespoons poppy seeds
½ cup shortening
¾ cup water

Stir flour, salt and poppy seeds together in large bowl. With pastry cutter, cut in shortening until particles are size of peas. Sprinkle dough with water, stirring with fork until mixture holds together loosely. Form into ball with hands and roll out on floured board to size that will overlap edges of casserole or pie pan by 1½ inches. Bake at 425°F. for 8 minutes.

Filling:
¾ cup chopped onion
3 tablespoons chopped green pepper
6 tablespoons butter
3 tablespoons flour
1 cup chicken or turkey broth
2 cups shredded cheddar cheese
¾ cup cooked mixed vegetables (or vegetable of choice)
3 hardcooked eggs, chopped
¼ cup pimento
3 tablespoons chopped parsley
1 beaten egg

Saute onion and green pepper in butter in a large skillet. Stir in flour. Add broth and heat until thickened. Add vegetables, hard-cooked egg, pimento, parsley and beaten egg. Mix thoroughly. Pour into partially baked shell. Top with cheese. Bake at 400°F. for 30 minutes.

WALDORF TURKEY SALAD
1 medium unpared red apple, cored and diced (1¼ cups)
1 tablespoon lemon juice
2 cups coarsely diced cooked turkey
1 cup halved and seeded red grapes
1 cup sliced celery
¼ cup broken walnuts
¼ cup finely chopped onion
⅔ cup mayonnaise or salad dressing
½ teaspoon salt
Dash of pepper
Lettuce
1 hard-cooked egg

Chill ingredients. Sprinkle diced apples with lemon juice. Add next 8 ingredients; toss lightly. Serve in lettuce-lined bowl. Cut white of egg into wedges, arrange in shape of flower. Top with grated yolk. Makes 5 to 6 servings.

PINEAPPLE TURKEY SALAD
2 cups diced cooked turkey
1½ cups thinly sliced celery
1 tablespoon lemon juice
½ teaspoon salt
Dash of pepper
¾ cup mayonnaise or salad dressing
1 8¾-ounce can pineapple tidbits, drained (⅔ cup)
6 lettuce cups

Combine all ingredients except pineapple and lettuce; chill thoroughly. Just before serving, stir in pineapple. Serve in lettuce cups.

Note: To serve salad hot, omit pineapple and lettuce. Place in 1½-quart casserole. Top with 1 cup shredded sharp process American cheese and 1 cup crushed potato chips. Bake in 400°F. oven for 25 minutes.

Recipe Topics

If you have recipes for the topics listed below, please share them with us. We welcome your recipes, but ask that you include accurate measurements, a complete list of ingredients and clear instructions with each recipe you submit. Send your recipes to Sue Keene, Lancaster Farming, P.O. Box 366, Lititz, PA 17543.

January	
3-	Low-Calorie Dishes
10-	Eggs-citing Eggs
17-	Gelatine Salads & Desserts

Featured Recipe

Pork and Sauerkraut is the traditional New Years' Day fare, but if you're looking for a new twist to sauerkraut, this Smoked Sausage Reuben Casserole may appeal to you. Quick and easy to make, this casserole will allow you plenty of time to visit with guests — or to cheer on your favorite football team. Happy New Year!

Smoked Sausage Reuben Casserole
1 pound sauerkraut, rinsed and squeezed dry
2 medium tomatoes, sliced ¼-inch thick
3 tablespoons thousand island dressing
1 pound smoked sausage, cut into ½-inch pieces
8 ounces Swiss cheese, shredded
10 crisp rye crackers, crumbled
¼ teaspoon caraway seed
2 tablespoons melted butter

Spread sauerkraut in round casserole. Top with tomato slices and dot with salad dressing. Cover with sausage pieces, sprinkle with cheese. Bake 15 minutes in 425°F. oven. Remove from oven. Sprinkle with mixture of crackers, caraway seed and melted butter. Return to oven for 10 to 15 minutes.

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Cook's Question Corner

If you are looking for a recipe but can't seem to find it anywhere, send your recipe request to Cook's Question Corner, care of Lancaster Farming, P.O. Box 366, Lititz, Pa. 17543. There's no need to send a SASE. If we receive an answer to your question, we will publish it as soon as possible.

Answers to recipe requests should be sent to the same address.

QUESTION - Mary S Criswell, Martinsburg, would like a recipe for poppy seed filling used for breads or filled cookies such as Roszki (a rolled cookie filled with poppy seed filling).

QUESTION - Mrs C. Cassner, Newburg, would like a recipe for a coconut cake using fresh coconut grated and coconut milk Please include the icing recipe

QUESTION - Turla Hogg, Slippery Rock, would like a recipe for the apple dish served on Shoney's Restaurant Buffet. The apples are sliced with cinnamon etc

. **QUESTION** - Harold Latshaw, Walnutport, would like a recipe for kipfels

QUESTION - Mrs Edith Rader, Holmes, would like a recipe for pan pudding that is not gummy

ANSWER - Mrs Rose S Markley, Williamsport, requested a recipe for soft, easy-to-make cutout sugar cookies. Below are two recipes for her to try

Sugar Cookies

¾ cup butter or margarine, softened
1 cup confectioners' sugar
1 egg
2 tablespoons milk
1 teaspoon vanilla extract
½ teaspoon almond extract
2 cups all-purpose flour
1½ teaspoons baking powder
½ teaspoon salt
Sugar

In large bowl with mixer at medium speed, cream butter and confectioners' sugar Beat in egg, milk, vanilla and almond extract until well mixed, occasionally scraping bowl. Stir in flour, baking powder and salt until well mixed Cover with plastic wrap; chill several hours or overnight

Preheat oven to 375°F on lightly floured surface, with floured rolling pin, roll chilled dough 1/8 inch thick to ¼ inch thick. (For soft cookies, roll ¼ inch thick) With floured 2½-inch cookie cutters, cut dough into desired shapes. Sprinkle with sugar Reroll trimmings and cut more cookies Place cookies 1 inch apart on cookie sheets Bake 8 to 10 minutes until cookies are lightly browned Immediately remove cookies to wire racks, cool

Tip: Shape dough into 1½-inch balls instead of rolling it out Using a flat bottomed glass dipped in sugar, flatten balls on cookie sheets. Makes 36 cookies

Cut-Out Sugar Cookies

2 cups granulated sugar
1 cup melted butter
5½ cups flour
2 eggs
1 cup buttermilk or sour milk
1 teaspoon baking soda
2 teaspoons baking powder

Mix sugar, butter and eggs Beat well Add soda to milk and put baking powder into flour Add flour mixture to egg mixture alternately with milk Chill dough overnight Roll on floured board and cut with large cutter. Bake on ungreased sheet 10 to 15 minutes at 375°F You may sprinkle top of cookie with colored sugar before baking it or bake plain and frost when cool

Study Clears Sugar Of Reputation As Villian

WASHINGTON, D.C. — A decade of misinformation about the role of natural sugars in the American diet drew to a close with release of a definitive report from the Food and Drug Administration clearing these foods of major adverse health effects. Many Americans have considered sugars a dietary villains, but the three-year FDA study shows that sugars have been the victims of a bum rap.

The FDA's Sugars Task Force evaluated the level at which Americans consume natural sweeteners — corn sweeteners (corn syrup, dextrose and high fructose corn syrup), and cane and beet sugars and syrups — then reviewed the best scientific evidence available on the health effects of the sweeteners. On charge after charge, the task force found no proof, and often no evidence against corn sweeteners and sugar.

For example, the task force found that multiple factors create obesity — including the genes people inherit, differences in endocrine systems and metabolism, and the lives people lead. The panel found no evidence that current sweetener consumption levels contribute to obesity by affecting appetite; in fact, it said, "there is some reason to believe that sugars would have an appetite suppressing effect," and noted some studies which show that overweight people consume less sugar and corn sweeteners than lean people. The panel concluded that "sugars do not have a unique roll" in causing obesity.

Hyperactivity in children is often blamed on sweetened foods and sugars, but the most recent studies "failed to find any correlation" between levels of sugar in the blood and mood or behavioral changes. One study of boys diagnosed with hyperactivity, anxiety or learning disorders compared their reactions to glucose or fructose with their reaction to a placebo in doses equivalent to a large sugary snack. Instead of increased hyperactivity, researchers found some evidence that the sugars had a calming effect.

The Sugar Task Force concluded that the investigators working under carefully controlled conditions "have failed to demonstrate increased activity (in response to sweetener consumption) or have demonstrated instead drowsiness and decreased activity."

And in other areas where popoular mythology has convicted sweeteners, the panel disagreed. It found "no persuasive scientific evidence" that current American sweetener consumption levels create a risk for developing impaired glucose tolerance. And, recent investigations don't support the idea that sugars contribute to glycemia more than other carbohydrates.

It found no evidence that the consumption of sugars is related to diabetes other than as a supply of calories and, especially, no evidence that the increased use of high fructose corn syrup creates a hazard for the control of diabetes. It also found no evidence that the current use of sugar and corn sweeteners contributes to the development of high blood pressure or creates an increased risk through any effect on fats in the bloodstream.

The FDA review found no firm evidence that U.S. sugars consumption interferes with the bioavailability of vitamins, minerals or trace nutrients, no scientific evidence that sugars are especially responsible for dietary imbalances, and no demonstration of a cancer danger from sugars.

And the widespread belief that Americans are consuming more and more sweeteners? The panel found that the level of sugars consumed by Americans has changed very little for the last 15 years and may actually decline in the next five years. While the use of corn sweeteners - glucose, dextrose and high fructose corn syrup - has gone up, it has been balanced by a decline in cane and beet sugar use.

The panel's first verdict: "Other than the contribution to dental caries, there is no conclusive evidence that demonstrates a hazard to the general public when sugars are consumed at the levels that are now current and in the manner now practiced." In other words, "Not guilty."

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Pork and Sauerkraut: A New Year's Tradition!

Did you know that sauerkraut was first served as a staple for the workers on the Great wall of China? At that time, it was simply cabbage covered with wine to preserve it!

Today, serving sauerkraut with pork on New Year's is a tradition in many homes. Update this tradition by cooking your pork and sauerkraut in your microwave.

Microwaved pork is unbelievably delicious, because it stays much more moist than when roasted in a range oven. Make yourself a New Year's resolution that you will try it sometime soon. If you follow these directions, it will be the best pork you've ever eaten, I promise!

Several years ago there were reports that it was not safe to cook pork in a microwave. These were inaccurate and have been disproved. Pork can be cooked safely in your microwave when you use a low power level to ensure that it is cooked through to the center. A tight cover, either a covered roaster or an oven cooking bag, is also needed.

To figure the cooking time for pork, so you know when to start your roast, allow 25 minutes per pound. This is 21 minutes per pound microwaving time plus 4 minutes per pound standing time.

Fresh Pork Roast

Pork loin or rib roast, any size
Garlic, thyme, salt, pepper, etc. as desired
Covered casserole or roaster deep enough to hold roast OR an oven cooking bag and flat utility pan to fit roast.

1. Defrost meat thoroughly if frozen. Wipe outside of roast and rub with a cut clove of garlic. Sprinkle outside with thyme, salt and pepper (or with your favorite spices and herbs).

2. Shake 1 tablespoon flour into oven bag, and place roast in bag or in casserole. Add an onion, etc. if desired but do not add any liquid. Tie bag loosely closed with plastic fastener (do not use a metal twist tie.) Keep opening loose enough to fit one or two fingers in, so the steam can escape. Do not cut slits in the top of the bag.

3. Place roast (in bag) upside down in a flat dish. Microwave on medium low (30,3,defrost) for 10 minutes per pound.

4. Remove from oven, and using pot holders, turn bag (roast, juices and all) over in pan, so roast is now right side up. Microwave on medium low (30,3,defrost) for 11 minutes per pound.

5. Remove roast to serving platter and cover with foil. Let stand for 10 to 15 minutes before carving. Meanwhile, make gravy from juices and drippings in bag, cook vegetables, etc.

Tips: If you have a regular meat thermometer, insert it in the roast during the standing time. At the end of the standing time the roast should register over 170°F.

— If your oven has a temperature probe, insert it in the roast when you turn it over in step 4. Set microwave for 165°F. and a power level of 30,3,defrost. Make sure the tip of the probe is in the center of the roast, and not touching bone or fat. Lead the probe wire out through the bag opening. When oven turns off, let roast stand as directed above.

For a simpler pork meal, try this easy casserole. Served with boiled potatoes, crusty bread and a green salad, you have a delicious company dinner!

Pork Chops and Sauerkraut

1½ pounds pork chops (4 to 6 chops)
1 tablespoon oil
1 large onion, chopped
2 tart apples, peeled and chopped
2 pounds sauerkraut, drained
2 tablespoons brown sugar
1 teaspoon caraway seeds
¼ cup apple cider or juice

1. Brown chops on range.

2. While chops are browning, combine onions with oil in a flat 2 quart casserole (12x8 or large oval). Microwave on high for 3 minutes, stirring once, until onions are tender.

3. Stir in remaining ingredients except chops. Microwave on high for 10 minutes, stirring once, until very hot.

4. Stir again, and arrange browned chops on top, with the thicker part of the chops to the edge of the container. Cover tightly (with a lid or plastic wrap) and microwave on medium (50,5) for 20 to 25 minutes, until chops are cooked through and apples tender. Let stand for 5 minutes before serving. Serves 4 to 6.

Tips: If you have a 10-inch pyroceramic glass skillet, you can use this on top of the stove and then in the microwave. Brown the chops in the skillet, then remove chops to a plate, and cover to keep warm. Add onion and oil to drippings in pan, and continue with step 2 above.

—If Santa's expenses ate into your food budget and you can't afford pork chops, substitute 1 pound of hot dogs, sliced diagonally, for the chops. Add these in Step 3, and microwave casserole, covered, on high for 10 to 15 minutes, stirring twice, until the apples are tender. Let casserole stand for 10 minutes for the flavors to blend.

Note: The cooking times above are for microwaves with 600-700 W. For 500 W, add 10-15 seconds to each minute.

Have a happy and healthful new year, microwaving away!

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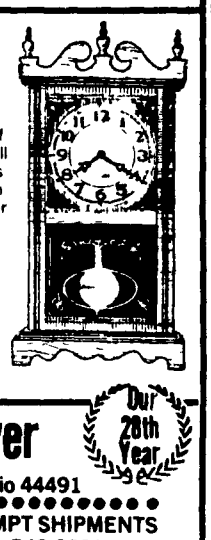

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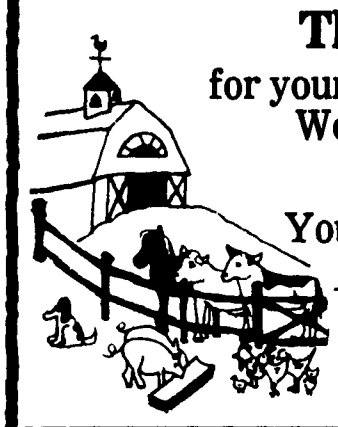

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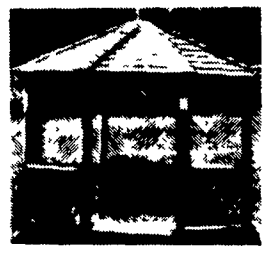

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Adobe Offers Solution To Housing Crisis

SKY CITY, N.M. — Brick by adobe brick, Acoma Indian workmen are rebuilding 400-year-old apartments in their ancestral pueblo atop an isolated 367-foot mesa.

Since the work began in 1982, about 100 units have been completed, says supervisor Dennis Vallo. He hopes the restored two- and three-story buildings will induce more Acoma to return to Sky City.

All roots of the word Acoma denote "a place that always was," writes historian Alan Minge. The people claim that their mesa-top home about 60 miles west of Albuquerque is the oldest continously inhabited city in the United States. Minge says they've been there for at least 1,000 years — possibly much longer — and archeologists agree that Acoma Pueblo has been occupied at least since A.D. 1200.

Learned From Spanish

The enduring technique of making adobe bricks in molds was introduced to the Acoma by Spanish conquistadores in the mid-1500s. Only 50 or so Acoma now live year-round in the pueblo. Their determination to preserve their ancient traditions means that they lack such amenities as electricity and running water.

Their adviser on the restoration is a white man from Albuquerque, Paul Graham McHenry Jr., an architect and builder who specializes in adobe construction and sees adobe as a solution to many of the Third World's increasingly urgent housing problems.

"The worldwide energy crisis, particularly in developing nations, must lead to the utilization of earth as a building material to meet ever-increasing needs," McHenry wrote in a paper presented in Ankara, Turkey, last summer. "We have no other choice."

McHenry, author of several books on adobe and other earthen buildings, notes that more than half of the world's people live in houses made of earth. He traces their early development to the Middle East, where he says such structures were built as early as 8000 B.C. in the Tigris-Euphrates Valley.

He is a member of the Advisory Council of the International Foundation for Earth Construction, a three-year-old organization committed to helping solve global housing problems. An estimated 800 million units are needed to house the world's poor.

Foundation president is Eric Carlson of Closter, N.J., former chief of housing for the United Nations. "Our main interest," he says, "is in how to transfer some of this relatively simple technology to countries where there are serious housing problems."

The U.N. General Assembly has designated 1987 the International Year of Shelter for the Homeless. The foundation's activities next year will be linked to that theme.

Examples Worldwide

The well-traveled Carlson lists widespread examples of earthen building: Grenoble, France, site of active training and research in such construction; China, where more than 30 million people dwell in caves; Colombia, where volcanic soil is proving to be an ideal material for pressed brick; and numerous other areas.

Carlson pegs much of his hope to a 55-year-old process, developed in California, to mass-produce "stabilized" bricks, waterproof and erosion-resistant, by mixing mud with an asphalt emulsion. Building with earth "has the potential for catching on," he says.

McHenry views it as "an uphill battle," partly because of adobe's "split image of either poverty or great affluence."

Traditionally, earthen buildings have provided shelter for the world's neediest people. In the southwestern United States, adobe provided an inexpensive answer to housing needs for generations. Only in the past few decades has it become, in Carlson's words, a "chic and aesthetic building material."

President Reagan lives in an old adobe house, stucco-faced and white-painted, when he goes home to Rancho Cielo in California, U.S. Supreme Court Justice Sandra Day O'Connor used to live in an adobe house in Phoenix.

McHenry and his sons design and build everything from expensive adobe homes to shopping centers in the Albuquerque area. Adobe dominates many of the richest suburbs in New Mexico, Arizona, and California.

But McHenry emphasizes its simplicity and universality. With very little experience and equipment, anyone can make his own bricks. If he has sufficient skill and diligence, he can build a comfortable home. Thick adobe walls ensure coolness in the summer and warmth in the winter. And they are almost soundproof.

Do-It-Yourself Adobe

In a homemade adobe house in a suburb of Santa Fe live a writer-photographer, David Noble, and his artist wife, Ruth Meria. They are members of a legion of erstwhile easterners who have fallen in love with the Southwest and moved there.

Holding an adobe brick, Dennis Vallo stands next to one of the 400-year-old apartments being rebuilt at Sky City, N.M., ancient pueblo home of the Acoma Indians. Although adobe is one of the oldest building materials, dating back 10,000 years, it still houses more than half of the world's people.

Unless they'd built it themselves, they couldn't have afforded the snug house. With a lot of trial and error along the way, they've been building it for 12 years. It began with a single room and gradually expanded to include a bedroom, a darkroom for David, a studio for Ruth, and an office, now under construction.

Last winter the couple's only heating expense was a cord and a half of wood for their living-room stove.

"It's very straightforward and simple," Noble, a Yale-educated former French teacher, says of the adobe-building process. "It's very creative and satisfying. It feels very much like home when you build it yourself."

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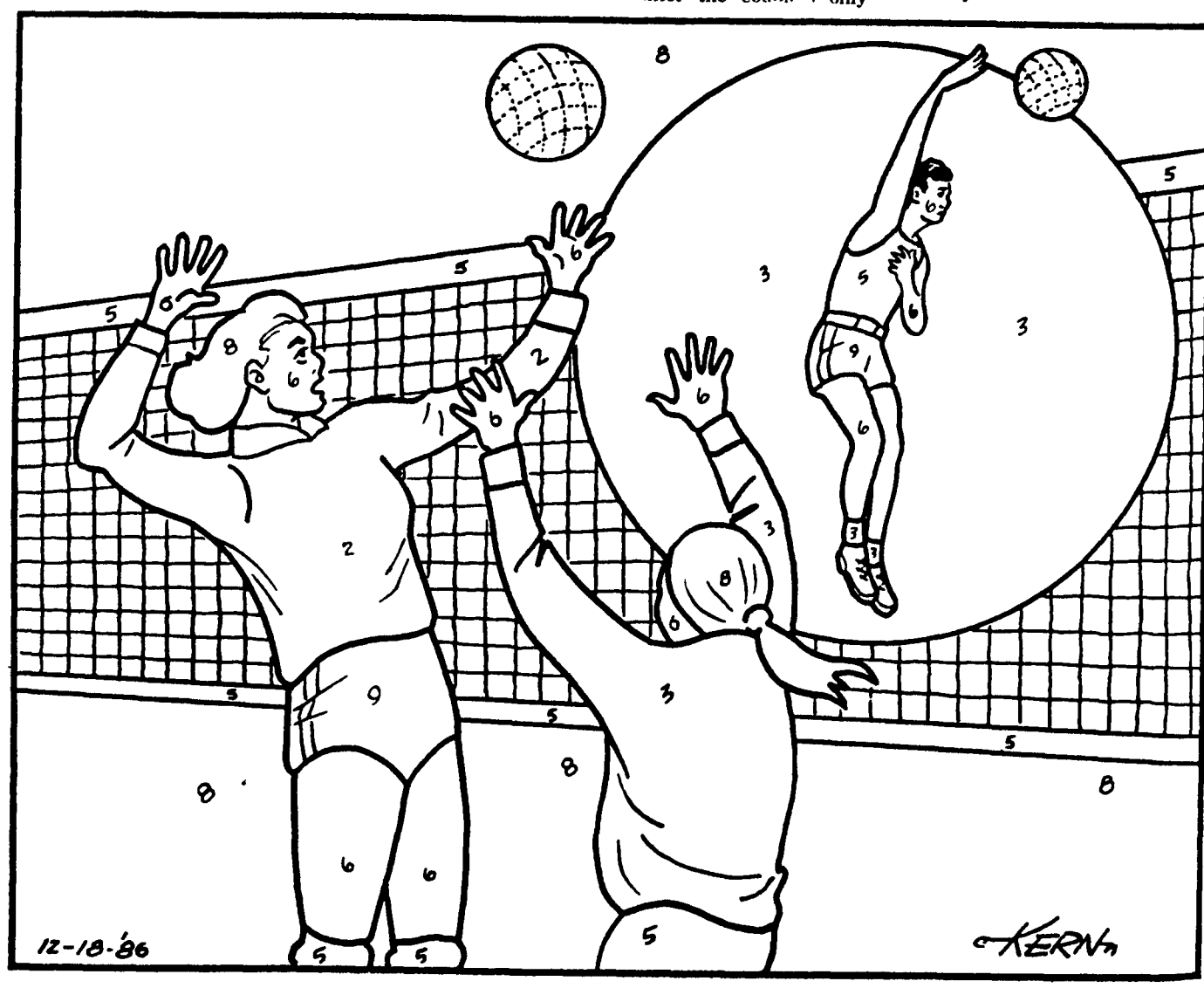

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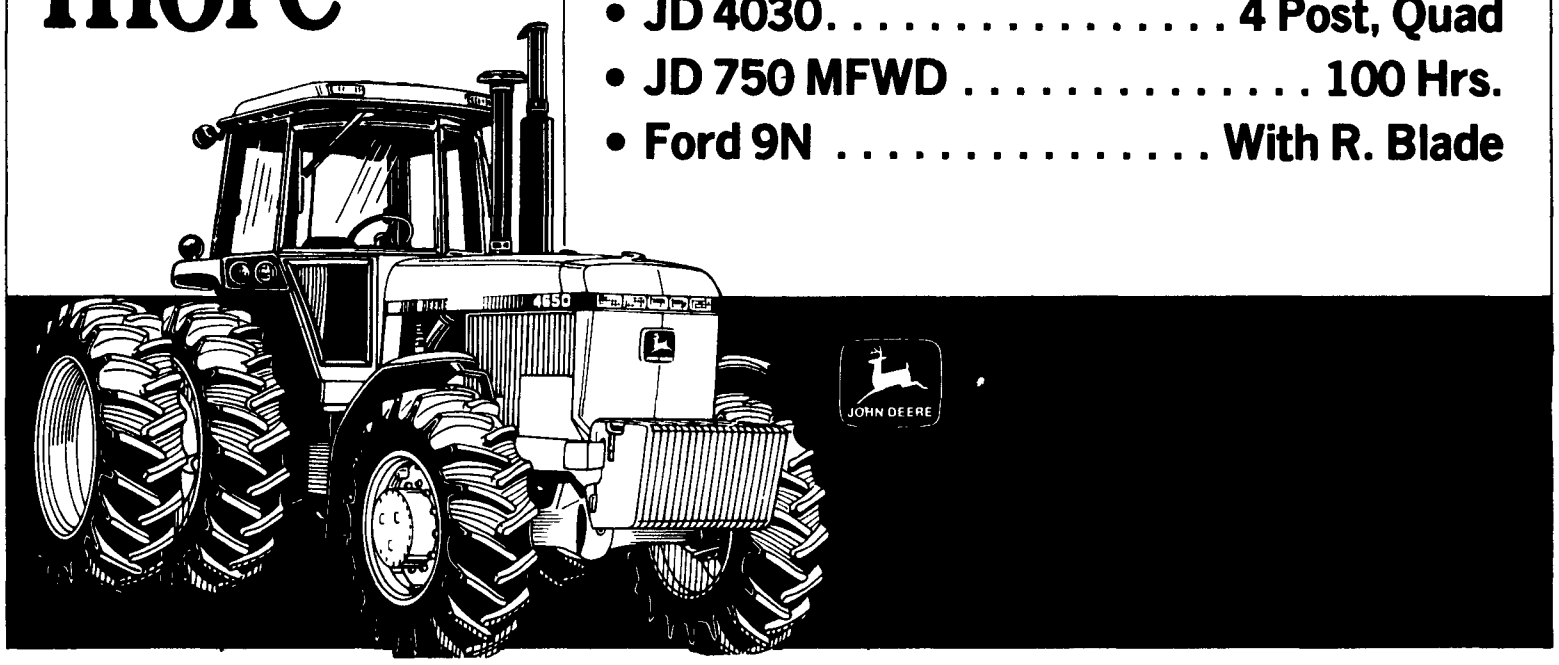

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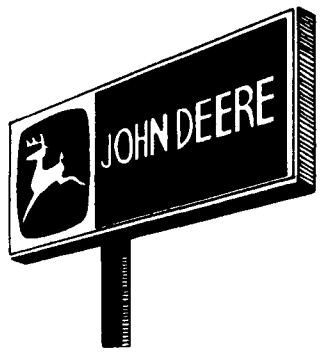

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Ida's Notebook

Ida Risser

It is difficult to write an "after Christmas " article a week before Christmas. As of now, I still am not sure who will be here to celebrate with us. I'd better be prepared for unexpected overnight guests.

It would seem that four bedrooms could accommodate everyone, but with girlfriends and boyfriends coming, I know someone will have to use sleeping bags. This duty usually falls on the youngest ones in the family.

We expect the youngest grandchild, who lives in Georgia and whom we have not seen as yet, to be here. And the two grandchildren from North Carolina will also stop in for their gifts.

Our busiest time is not Christmas Day but rather the weekend afterward when our extended families arrive and we have 30 or more people each day for a meal.

It takes me so very long to take the 24 pictures on a film and then get it developed. That is unless I go on a trip and then I use up several films.

Recently, I had the pleasure of visiting Longwood Gardens at Kennett Square. As I and a friend walked along the flower garden walks, I saw many beautiful sights and took quite a few pictures. The main fountain garden and the large Christmas tree were especially wonderful.

We attended a concert on their very large organ with 10,000 pipes which ranged in size from one large enough for a person to crawl through and which is 40 feet tall to one the size of an eraser on a pencil. After an evening meal in the Terrace Restaurant we were entertained by the Wilmington Madrigal Singers.

Longwood Gardens were planted with ornamental trees by a family named Pierce in 1700. Then Pierre duPont purchased the property which now includes 1000 acres; 350 are open to the public. In the summer, I've always enjoyed the Italian Water Garden with 600 jets of water and also the colorful waterlilies.

Kent-Sussex Master Gadeners Receive Certifica'

NEWARK, Del. -- Thirty-two master gardeners from Kent and Sussex counties were certified recently by the Delaware Cooperative Extension System in a ceremony held at Abbott's Mill Pond Nature Center, Milford.

The participants in this new volunteer program completed an intensive, 45-hour training course taught by extension specialists and faculty from the University of Delaware department of plant science. In return, they will donate 45 hours in support of extension gardening education programs.

The Kent County master gardeners include: Carol Anne Arnott, Dover; Chester L. Arnott Jr., Dover; Margaret Bacon, Hartly; Benjamin Bowings, Dover; Jeff Daniels Jr., Dover; Sarah B. Eidson, Dover; Mark Thompson Grambau, Camden; Charles M. Hughes, Dover; Ralph B. Johnson, Frederica; Freda Mesibov, Milford; Marianna Miller, Milford; Edward F. Plucenik, Milford; Audrey L. Pugh, Dover; John D. Pugh, Dover; Lucille Rhodes, Dover; Kathy Rockafellow, Wyoming; Joseph Stracar, Harrington; Verna Marie Trump, Hartly; and Josh T. Williams, Dover.

Master gardeners graduating from Sussex County are James A. Ball, Selbyville; Burton B. Barr, Lewes; Marion L. Barr, Lewes; Patricia Ann Culleney, Millsboro; Beverly R. Fawcett, Millsboro; William R. Harris, Milford; Harry L. Mayfield, Bethany; Madlyn M. McPartland, Seaford; Lee Meinersmann, Laurel; Loretta L. Reese, Selbysville; Robert Victor Russell, Lewes; C. Donald Stump, Seaford; and Diane J. Tucker, Staytonsville.

The Kent-Sussex master gardeners have already made plans to set up a colonial herb and vegetable garden display at the Delaware State Fair next July. Horticultural therapy programs are planned for both counties, and a televised gardening show is expected to begin in the spring. In addition to assisting with calls and office visitors to the county extension offices, the master gardeners will help design and install demonstration gardens at the extension offices, Hickory Hill Farm and Abbott's Mill Pond Nature Center. Two home garden short courses, open to the public, will be held in March

The Kent County master gardeners will continue to meet monthly beginning Jan. 14. The Sussex group will begin its monthly meetings Jan. 21.

A second master gardener class is scheduled for Kent and Sussex counties next fall. For further information, contact extension agent Glenn Layton at the University of Delaware Research & Education Center (856-7303) or at Delaware State College (736-4949).

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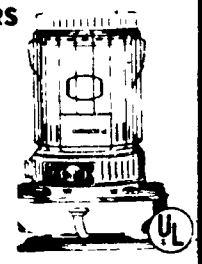
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Farm Women Societies

Lancaster Society 14

Members of Lancaster Society 14 met Dec. 11 at Kreider's Restaurant, Manheim, for their annual Christmas party.

The John and Lois Miller family provided a musical program of song and instrumental numbers and concluded with a Christmas carol sing along.

Elizabeth and Janet Kreider of East Petersburg gave an illustrated reading entitled "All Things Bright and Beautiful."

Nora Herr presided at a brief business meeting. The society sent its birthday money, $36, to Christ's Home, Paradise. Delegates to the State Convention in Harrisburg Jan. 12 and 13 are Esther Landis, the incoming president, Gladys Esbenshade and Rhoda Landis.

The Society will sew at Lancaster General Hospital on Jan. 8 from 9 a.m. to 2 p.m.

The next meeting will be held at the home of Arlene Esbenshade at 9:30 a.m. on Jan. 21 to make cancer pads.

Lancaster Society 28

Fourteen members of Lancaster Society 28 met recently at Strasburg Mennonite Church.

Ruth Mellinger served as hostess and Ruth Book was co-hostess. Jane Landis conducted devotions.

Martha Garber presented a demonstration on flower arranging.

Some members entertained guests at Conestoga View Dec. 18.

Lancaster Society 34

Members of Lancaster Society 34 met Dec. 15 at the home of Gayle Hershberger for a Christmas party. Denise Young gave devotions.

During a short business meeting, president Khay Ruth handed the gavel over to Carol Byers. Other officers were sworn in and Lisa Coslett became a new member. She and her husband, Jeff, live in Holtwood. She is a home economics teacher in the Conestoga Valley school district.

Members revealed secret pals during the party, played games and enjoyed delicious food. Khay Rutt won the guessing chance off.

The next meeting will be held Jan. 19 at the home of Elaine Craig. The Society will review the by-laws and have a taffy pull.

York Society 7

York Society 7 held a Christmas party at the United Church of Christ in Starview earlier this month. Fifteen members and 11 guests attended.

Irene Rentzel read "The Meaning of a Candy Cane." Anna Zinn celebrated her brithday. The Gold Sifters from Mt. Wolf provided the entertainment and Santa Claus distributed gifts.

The next meeting will be held Jan. 14 at 7 p.m. at the home of Nancy Emswiller.

F.W.S. Calendar

Saturday, December 27
Lancaster Society 5 meets for a Christmas program.

Tuesday, December 30
Lancaster Society 4 meets at the home of Hael Reist for a covered dish meal.
Lancaster Society 24 meets at 7:30 p.m. for scrapbook, gift exchange.

Little Dutchmen FFA

Members of the Annville-Cleona Little Dutchmen FFA chapter recently participated in area judging contests hosted by the Lebanon County FFA.

Dairy judging team members competing included: Duane Copenhaver, first; Allen Heagy, second; Matthew Bushong, third; Brian Meyer, sixth; Becky Hostetter, seventh; Mike Balmer, eighth; and Larry Kling, tenth. Other participants were Andrew Zimmerman, Kathy Mase, Andrea Wampler and Elwood Heller.

Juniors and seniors participating were Daniel Brandt, first; Kent Hoffer, sixth; Alan Auman, seventh; Heather Emrich, eighth; and Sheila Hostetter, 12th.

In the Meats Contest, Rodney Bomgardner placed sixth. Other participants were Kent Seward, Jeffrey Bomgardner, Darrel Saul, John Gilbert and Jack Lauer. The meats team placed fifth overall.

Participants in the pleasure horse contest were Shaun Martin, sixth, and Tracey Winsett, eighth. Other participants were Scott Brinser, Kent Reigel, Dan Tobias, Andrea Young, Tom Sholly, Lisa Kreider, Kristie Keiser; and Eric Harnish. The team placed thrid overall.

Agricultural Mechanics contestants were Marlin Heagy, 12th; Rodney Smith and Corey Houser. The team placed seventh overall.

In the Agronomy contest, Steph Nagle placed 15th and Matt Beare took 17th; Kevin Staller also participated.

For the Dairy Food contest, Larry Noll placed first overall; Mike Singer and Kyle Flory also participated.

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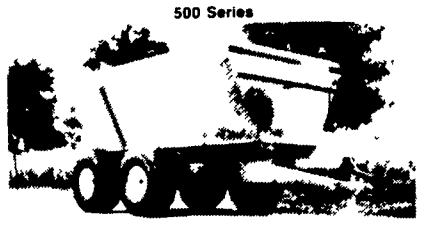

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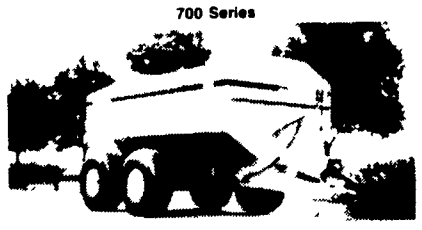

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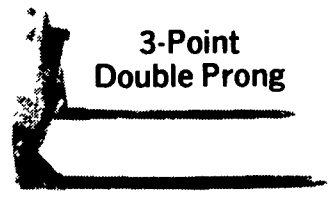

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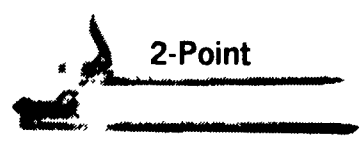

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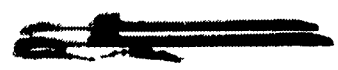

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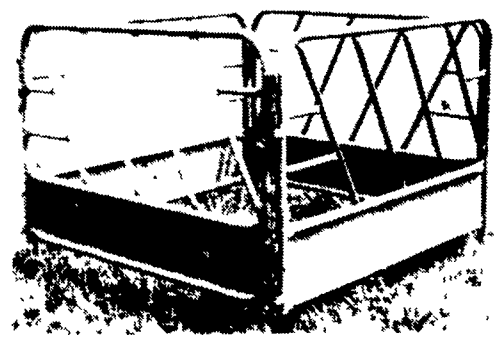

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Tickle Your Taste Buds With Herbs And Spices

NEWARK, Del. — If sugar, salt and fat restrictions in your diet leave your food flat and flavorless, switch to savory and sweet spices to tickle your taste buds.

"To improve salt restricted diets," Dr. Sue Snider, University of Delaware extension specialist in food and nutrition, says, "try the savory or biting spices and herbs. These include black pepper, garlic powder, curry powder, cumin and dill seeds, basil, ginger, coriander, onion, tarragon and oregano."

Snider says sweet spices help reduce the amount of sugar needed in food dishes because they give the impression of greater sweetness. These spices include cinnamon, cloves, allspice, ginger, cardamom, anise, fennel and mint.

Besides furnishing flavor and contributing to culinary color, spices and herbs are naturally low in calories, sodium, fat and cholesterol. They have little, if any, nutritive value except for some oil-rich seeds such as poppy and sesame, which have a moderate amount of calories.

"Some seasonings such as celery or parsley flakes contain enough sodium to be counted," Snider says, "but unless a recipe calls for an unusually large amount, these ingredients are not a problem."

Although some people use the term herb and spice interchangeably, herbs are usually leaves from aromatic plants grown in the temperate zone. Spices, on the other hand, come from bark, berries, flower buds, roots or seeds of tropical plants.

Snider notes that although each spice or herb has its own distinctive flavor, certain ones can be grouped together.

• Strong or dominant flavors include bay leaf, cardamom, curry, ginger, pepper, mustard, rosemary and sage.

• Medium flavors, which should be used in moderate amounts (1 to 2 teaspoons for six servings) include basil, celery seeds and leaves, cumin, dill, fennel, French tarragon, garlic, marjoram, mint, oregano, savory, thyme and turmeric.

• Delicate flavors, which may be used in large quantities and combined with most other herbs and spices, include burnet, chervil, chives and parsley.

• Peppery flavor spices should be used with care (approximately 1 teaspoon for six servings). These include red and black pepper, mustard and paprika.

When using more than one herb or spice," Snider says, "don't mix two very strong flavored herbs together. Instead, complement one strongly flavored herb with one or more milder flavored ones."

Cooks should also consider the flavor of the main ingredient in a recipe. In general, the weaker the flavor of the food, the less seasoning needed to give a balanced flavor in the final product.

"Be conservative in the amount of an herb used until you're familiar with its strength," Snider advises. "Start with a pinch. You can always add more, but you can't remove it."

She suggests cooks become familiar with the flavor of a specific herb by mixing it with butter, margarine or cream cheese and letting it stand for at least an hour. Then taste the mixture on a cracker.

Herbs and spices can come in several forms — dried or fresh, whole, powdered or crumbled. Dried herbs are stronger than fresh herbs because the chemicals that produce the characteristic flavor are more concentrated. The flavor of fresh herbs can be enhanced, however, by finely chopping the leaves. Powdered spices are stronger than crumbled ones because the flavoring chemicals can mix with the food more easily.

"When substituting one form for another, a useful guide is that ¼ teaspoon powdered is equal to ¾ to 1 teaspoon crumbled," Snider says. "This gives as much flavor as 2 or 3 teaspoons of fresh herb leaves."

In recipes requiring lengthy cooking, the specialist suggests using whole spices because there will be enough time for the flavor to spread through the food. If long simmering is called for, add the spices during the last 45 minutes. Another technique is to use part of the herb at the beginning and the remainder later in the cooking.

In quick-cooking or medium-cooking dishes, crushed dried herbs first with a mortar and pestle to release some of their oils. After adding herbs to cold foods such as dips, cheese, vegetables and dressings, allow the dish to sit several hours or overnight to blend the flavors.

"To test herb or spice combinations in soups or stews," Snider says, "remove a half cup of food from the pan. Add a large pinch of each seasoning and stir. Allow the experiment to stand at room temperature for approximately 10 minutes before tasting." If the combination is successful, then add herbs in the same proportions to the rest of the recipe.

Herbs and spices must be checked frequently for flavor loss. "Simply adding more than the recipe calls for won't solve the problem," the specialist says. She recommends checking whole spices once a year by crushing a small amount and sniffing it to see if the aroma is fresh and pungent. Use the same method to check ground spices every six months, and dried herbs two or three times a year.

Proper storage will help your spices retain their strength. Place them in airtight containers in a cool, dry place out of direct sunlight. Refrigerating or freezing in airtight containers lengthens their life.

"Store your seasonings in plastic bags, glass jars or stainless steel containers rather than cardboard," Snider says. "And don't keep them over the range!"

A Holiday Toast To Dairymen

Heidi O'Neal, Bedord County and alternate state dairy princess, offers a holiday toast to all Pennylvania Dairy Farmers. Happy New Year!

Creosote Buildup Possible Problem With Wood Burning Stoves

NEWARK, Del. — Wood burning stoves and fireplaces are wonderful for providing extra heat in the wintertime, but continual caution must be exercised to avoid serious fires and burns from these units.

Creosote buildup is especially a problem with the newer controlled combustion stoves that burn long and slow, says Ron Jester, University of Delaware extension safety specialist. Creosote is a black tarry substance caused by the condensation of smoldering gases in the chimney. If uncontrolled, creosote can block the chimney or ignite.

"Creosote accumulation is usually heaviest in the coolest part of the flue, near the top," Jester says. "Whenever deposits reach 1/8 inch thick, the chimney is ready for cleaning."

Another way to reduce creosote buildup is to burn small hot fires, instead of slow, smoldering ones. Some manufacturers recommend opening the stove damper and allowing the stove to burn hot for at least 15 minutes each time you use it, to burn away small amounts of creosote.

Jester offers these other safety tips for wood burning stoves and fireplaces:

• Don't burn coal in your stove unless it is designed to handle coal. Never burn trash, plastics or colored paper.

• Use a fireplace screen to contain sparks.

• Install and maintain fire extinguishers in your home.

• Use only seasoned wood. If you buy wood freshly cut, let it air dry for six to 12 months.

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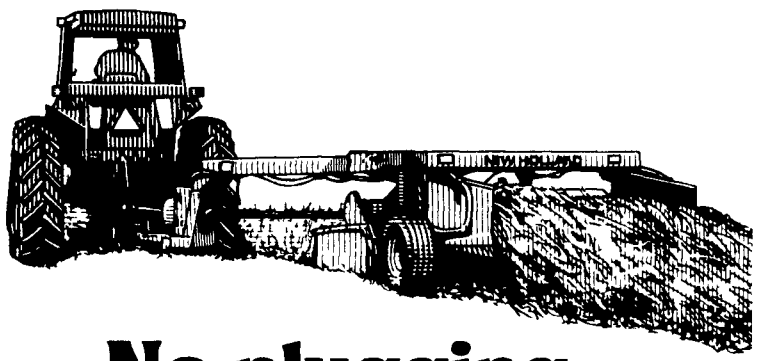

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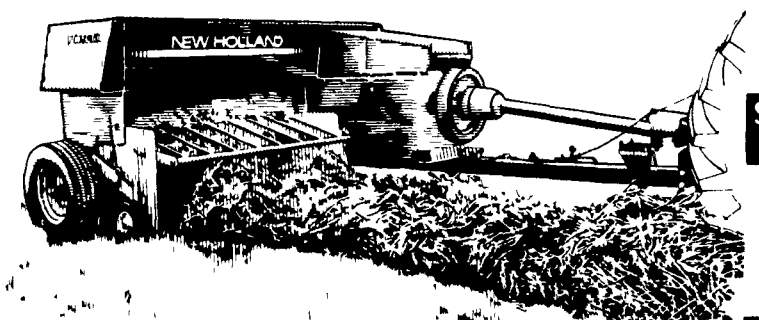

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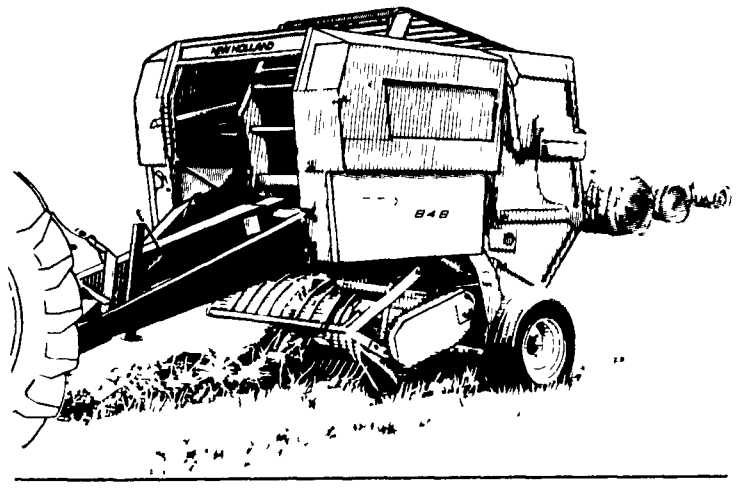

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Rescue Your Houseplants From Hostile Conditions

NEWARK, Del. – Houseplants must endure a hostile indoor world replete with mealybugs and mites, root rot and soggy soil and death by drought or overfeeding.

If your plants are in trouble, Bob Mulrooney, University of Delaware extension plant pathologist, has some suggestions on how to identify the malady.

"First, know the name of the plant," he says. "This helps you look up the proper care of the plant in a book or identify it to a knowledgable expert."

Mulrooney says plant fanciers should also look for certain telltale signs of the problem. Insects, for example, usually leave clues.

"Cottony bits indicate mealybugs, whereas sticky sap and brown bumps could be scale insects," he says. "If the leaves look greyish, you might search for spider mites. Leaves that are gnarled or stunted at the growing point might mean cyclamen mites."

If leaves are dropping all over the plant, Mulrooney says this may be a sign that the plant was chilled, or just recently moved. Overwatered plants usually have leaves yellowing and dropping first from the bottom of the plant.

Sometimes the same symptom can arise from different causes, he cautions. A wilting plant can mean overwatering, underwatering or overfertilization. Brown spots on leaves could indicate disease, improper watering, overfertilization or sunburn. Leaves with brown edges could mean severe underwatering or periodic episodes of severe drying out.

Mulrooney also has some hints on how to keep your houseplants healthy.

• Do not overpot. "As a general rule, the new pot should never be more than one to two inches wider than the root ball," he says. "Extra soil around the roots will hold too much water and encourage root rot."

• Try to use unglazed clay pots. Mulrooney says clay pots allow water to evaporate from the sides as well as from the soil surface. Roots can also get oxygen by growing close to the sides of a clay pot. Soil in decorative glazed pots may appear dry on the top even though the bottom is soggy with too much water. Soggy soil kills roots, the specialist reminds us.

• Give the plant the right amount of light. "Here again you have to know something about the light your plant needs," Mulrooney says. "Low-light plants should be placed in north or east windows and high-light plants in south or west windows."

• Watch out for plant problems associated with windows. Leaves that contact cold glass can become damaged and turn black. Heat registers and radiators are often located near windows, causing excessively dry conditions.

ditions.

• Water properly and thoroughly so that some water drains out the bottom of the pot. "Usually plants in pots four inches or larger will not need water for one, two or even three weeks," Mulrooney says. "However, room temperature and light levels will also affect frequency of watering."

• As a general rule, houseplants do not need fertilizer during the winter months.

• Don't mist houseplants. "Misting is a useless exercise because it only increases humidity for a few minutes and can spread fungal and bacterial disease," Mulrooney says. The specialist suggests a more effective way of raising the humidity around plants. "Group plants together," he says. "Or place the potted plants on a shallow tray of pebbles which is filled with water."

Commonsense Lifestyle Can Mean A Longer Life

NEWARK, Del. – For many Americans living longer may be merely a matter of sticking to a commonsense life-style.

"Most of us are born healthy and made sick as a result of personal behavior and environmental conditions," says Roxane Whittaker, University of Delaware extension home economist. "Many of our current health problems are caused by our life-style—basically, the failure to exercise enough, eat properly and take care of ourselves intelligently."

Lightening up your diet with the right foods and eating sparingly are two basic habits that can tip the scale of good health in your favor.

"Snack on fresh fruits and vegetables, and reduce the fat, salt and cholesterol in your diet," Whittaker says. "This also means choosing lean meats, fish, chicken and skim milk instead of more fatty foods."

Overeating can be an automatic response to anger, stress or boredom. The agent suggests taking steps to avoid these situations or reacting to them in a more positive way through exercise or modified behavior.

Exercise should be part of a regular routine. Take time for brisk walks, swimming, jumping rope, bicycling or calisthenics.

"Cut down or cut out smoking and drinking," Whittaker says. "Evidence strongly suggests that these will do you in more quickly than anything except hard drugs and poison."

Whittaker says a number of studies support the view that Americans can improve their health by establishing commonsense habits. She cites a University of Wisconsin study of more than 2,000 people who lived longer than average lives.

"The study concludes that years can be added to your life by eating and drinking frugally, but with enjoyment.

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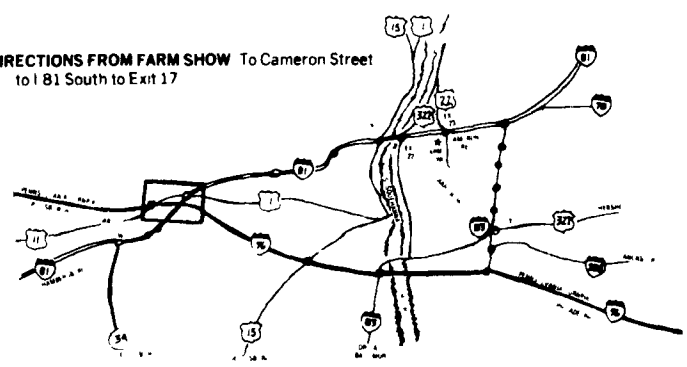

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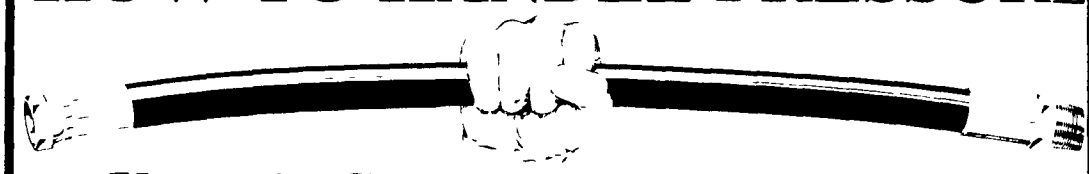

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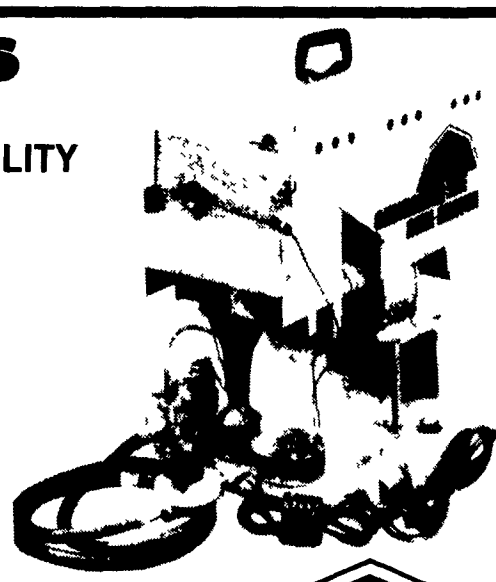

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Winter Flowers Thrive On Frigid Temperatures

COLLEGE PARK, Md. — A funny thing happened on the way to the College Park campus of The University of Maryland the other day.

While University employees labored just before a killing frost to remove fading begonias from the campus, just across US 1 pink and white flowers were bursting out in blossoms in front of the horticulture department's greenhouse.

And horticulture specialists plan to leave the flowering plants in place until well after the New Year.

Folly?

No, says Dr. William E. Healy, a floriculture specialist for The University of Maryland's Cooperative Extension Service.

It's a grand experiment, he says, to show area homeowners that, even though the frost is on the pumpkin, they can have winter and their flowers, too.

The plants are called "flowering kale" and "flowering cabbage," according to Healy, who provides greenhouse operators and landowners advice on how to capitalize on the fact that the Baltimore-Washington D.C. metropolitan area makes up the largest market in the country for fresh-cut flowers.

"Both of these flowering plants are great crops for homeowners this time of year," says Healy. "They'll last well beyond Christmas."

Actually, flowering kale and cabbage need killing frosts to turn color. The more consistent the cold weather, the longer they survive.

"The plants look like plain cabbage until the first hard frost that kills everything else off. Then the foliage turns color, which can range from white to dark lavender," Healy explains.

The plants were bred in Japan and just now have become widely available in this country.

"We wanted to set up a demonstration here in front of the greenhouse to show homeowners that their garden doesn't have to be a barren wasteland after the first frost," Healy adds.

There are just two small catches, according to Healy.

First, pray that cold weather stays fairly cold until the real Spring thaw.

"If you get a freak day in the 80s sometime in January, the plants will turn to mush," Healy says.

Second, the plants are difficult to raise from seed, and seeds themselves are hard to get.

"You're better off requesting small plants for transplanting from your local nursery or greenhouse," Healy adds.

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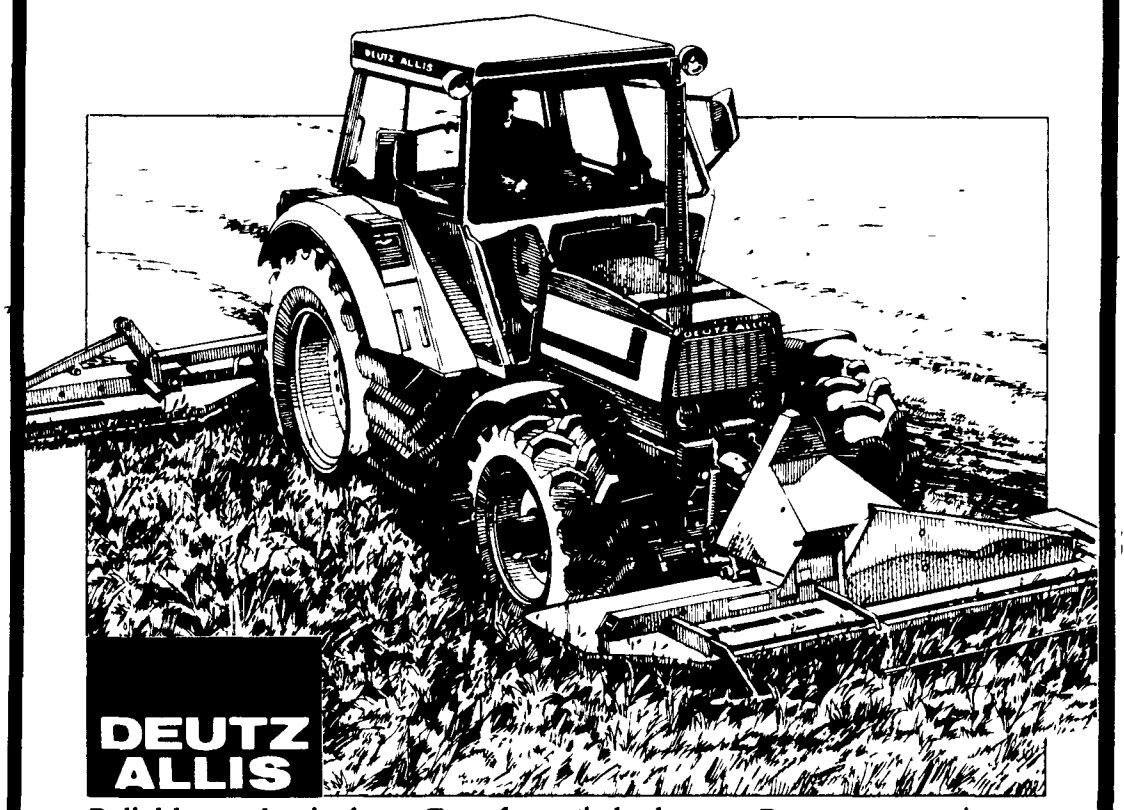

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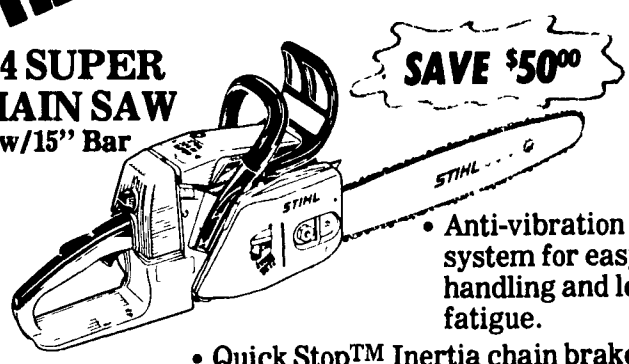

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Pennsylvania Dairy Herd Improvement Association

November 1986

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Name	Brd	No. Cows	% Days In Milk	Milk Lbs	3 Fat X Lbs
Charles&Tim Kissling	3	68 3	85 1	22,019	829
David L Schrack	B3	101 9	87 5	20,091	776
Mark A Wolfskill	3	100 9	84 1	20,562	771
Junge Farms	3	77 5	88 8	20,311	767
Forrest C Stricker	B3	58 1	84 8	21,824	767
Bendy Brook Farm	3	46 7	87 0	20,537	763
Vista Grande Farm	3	89 5	87 5	21,156	759
Mertz Brothers	3	42 4	83 3	20,921	751
Raymond A Seidel	3	41 2	87 4	18,934	747
Heindel Farms Inc	3	41 4	86 6	20,016	745
Plushanski Farms Inc	3	143 0	83 7	19,555	743
Merlin J Grube	B3	48 9	88 3	19,427	731
George S Troutman Jr	B3	77 5	89 3	19,347	730
Reu Hel Farms Inc	3	94 5	87 2	20,349	722
R R Troutman & Sons	3	135 7	85 0	18,905	722
Udder Valley Farm	B3	79 0	88 3	19,446	721
Richard A Bleiler	B3	52 3	87 8	20,595	708
Mervin Brubaker	B3	67 0	86 7	19,537	705
Rothrock Golden Hol	B3	111 9	82 1	19,252	702
Swatara Dairy Farm	3	67 3	84 1	17,998	700
Daview Farm	3	70 8	83 6	19,775	697
Ralph & Ken Sanner	3	78 7	87 5	19,167	696
Arlan Krick	B3	67 1	87 8	18,263	688
Leroy E Howard	3	147 2	89 3	19,070	684
Robert E Kopfer	B3	65 7	87 1	19,619	684
Retland Farm	3	54 7	87 7	19,601	682
William G Howerter	3	90 2	86 5	18,049	680
Leonard G Stoltzfus	3	104 4	85 6	19,486	680
Harold Schuler	3	38 3	88 6	19,482	680
Nathan Nolt	B3	55 0	86 2	19,178	678
Clarence B Kulp	3	72 6	89 0	18,984	676
Wooden Bridge Farm	B3	55 4	86 8	20,324	676
Yost Brothers	B3	110 6	87 6	19,797	672
Zahncroft Farm	3	56 2	88 0	18,337	670
Oleka Acres	3	53 7	87 0	20,098	668
Irvin G Weaver	B3	54 2	88 9	18,347	667
Frank G Gronlich	3	69 2	84 7	17 864	666
Martin & Missy Moyer	B3	51 4	85 9	18,800	665
George E Moyer	3	105 1	87 0	18,351	663
Leon H Martin	B3	38 0	89 3	18,171	662
Tulpa Canal Farm	B3	38 5	87 3	18,962	662
Harvey M Weaver	B3	50 2	84 5	17,788	662
Wilhomar Farm	3	43 5	86 0	19,477	661
Grumbro Holsteins	3	48 9	83 8	17,597	661
Ronald Kelchner	B3	78 8	88 2	18,238	660
Elvin Brubaker	B3	41 0	88 2	18,058	660
Dean&Brenda Daubert	5	37 9	89 5	17,149	660
F M Browns Sons Inc	B3	98 8	91 9	19,009	660
Andrew D Stoltzfus	B3	109 8	86 2	19,311	656
Heindel Farms Inc	1	22 5	86 0	16,148	655
Blue Mtn Academy	B3	131 9	89 7	17,945	653
Ray E Bicksler	3	50 2	89 8	18 138	653
Ernest C Hoffman	3	58 8	88 2	17,959	653
Donald B Duncan	B3	104 9	86 0	18,118	653
Alton Rohrbach	B3	54 6	87 6	18,666	652
Show Top Farms	3	169 0	90 3	17,465	650
Robert C Dreisbach	4	78 3	84 5	13,248	647
Ken & Debra Dietrich	B3	52 8	84 6	17,948	645
Glenn B Gockley	G3	44 4	84 9	18,248	644
E Daniel Leatherman	B3	66 2	87 7	17,418	644
Samuel L Mast	3	46 4	86 4	17,927	639
Scattered Acres Inc	B3	144 3	82 0	17,886	636
Ernest O Miller	3	222 4	85 7	17,528	632
Don Aloan	B3	45 9	85 6	18,185	631
Harvey C Krill Jr	B3	51 0	90 8	16,761	629
Jacob M Wise	B3	42 1	85 8	18,789	629
Ker Min Farms	3	80 2	87 1	17,244	627
F Mark Weber	8	35 4	81 7	16,739	627
Daniel J Harnish	B3	100 0	85 2	17,268	627
Harold Fenstermaker	3	33 0	88 3	15,518	625
Red Fever Farm	B3	68 8	89 7	17,502	624
Donald Burkholder	B3	102 9	85 9	17,569	624
Luke Snyder	B3	54 3	89 1	18,022	623
Bernell L Burkholder	B3	43 3	83 9	18,353	623
Bruce Reigel	G3	39 3	85 3	16,179	622
Rick Phillips	G3	62 7	81 6	16,901	620
Donald M Meyers	3	56 1	88 4	16,560	617
Joe & Deb Kohler	B3	35 0	88 8	17,909	617
Fred J Walters	B3	81 2	84 9	17,282	617
Donald Rentschler	B3	62 0	87 6	17,995	616
David Gross	B3	34 7	87 1	17,771	615
Muddy-Creek Farm	3	36 8	80 5	17,457	615
John H Stump	3	72 9	88 3	17,565	613
Herb Top Farms	B3	43 4	84 5	17,277	612
Glenn R Harnish	B3	124 7	86 5	17,721	612
Kenneth Zook	B3	51 3	88 3	17,408	609
Linden Loch Holstein	B3	35 9	81 9	16,467	609
KL & BA Grimes	B3	128 0	88 7	16,469	608
Floyd Kurtz	B3	62 9	85 5	18,142	608
Lynnacres	3	194 2	89 3	17,025	606
Pinnacle View Dairy	B3	46 8	86 3	16,793	605
Landis R Martin	B3	47 7	87 5	16,713	604
Lawrence Kieffer	B3	94 4	84 3	16,765	602
David J Williams	B3	46 7	84 3	17,499	599
Robert L Sattazahn	B3	101 1	89 2	16,942	*598
Raymond L Kulp Son	B3	88 2	89 8	16,686	598
Kur-Del Farm	B3	43 5	83 3	17,744	597
Charles D Moyer	B3	126 9	86 4	16,931	597
William C Adams	B3	87 1	90 6	14,476	597
Ray W Seidel	B3	39 0	87 3	16,889	597
Clarence C Sattazahn	B3	110 3	89 6	15,707	594
Gary Martha Heffner	B3	45 7	81 1	16,049	594
Teen Chal Farm	B3	121 5	86 5	17,009	593
Lester Martin	B3	45 0	87 2	16,271	592
Richard Schlegel	B3	59 9	85 6	17,220	592
Charles W Wagner	B3	49 9	88 7	16 748	592
Whirlwind Acres	B3	114 0	89 1	16,849	591
Terry Kunkel	B3	42 4	82 1	17 887	591
David L Phillips	4	44 0	86 9	12,785	589
Earl R Hafer	B3	116 0	87 1	16,667	587
Ontelynn Acres	3	130 5	87 5	15,644	586
Rolling Acres Farm	G3	39 3	83 6	16,773	586
Clyde Loump	B3	57 6	85 2	16,148	585
Alfred E Schmidt	3	57 4	88 8	16,605	582
Meadow Spring Farm	B3	55 2	83 3	16,986	579
Wilmer Dreibelbis Jr	B3	112 9	82 5	15,571	578
Ro Ria Farms	B3	215 0	89 3	15,918	575
Eleanor K Siegfried	3	103 1	89 9	16,067	575
Pine Brook Farm	3	112 9	82 0	15,679	573
Glenn E Hoffman	B3	56 6	84 6	15,746	571
Albany Farm	B3	38 1	86 5	16,054	570
Richard W Hoppes	B3	66 8	84 6	16,068	570
Ronald Weyer Holst	B3	58 1	83 7	16,703	569
Robert Yanos	B3	59 3	88 6	15,744	569
Win-Dale Farm	4	55 1	88 2	11,501	568
Ronald L ONeil	B8	50 1	87 0	15,257	567
Lowell C Kurtz	B3	34 6	84 6	15,708	567
Jerry A Krone	B5	14 7	86 5	14,533	565
Harold Dietrich Hol	B3	34 6	89 2	16,624	565
Savidge Farms	B3	57 3	88 5	15,623	564
Mark G Hoch	B8	58 4	85 4	15,310	564
Carl H Rabenold	B3	64 6	83 3	16,811	560
Larry E Phillips	B3	35 7	83 7	15,580	559
Rodger L Wagner	B3	131 8	89 6	15,531	557
Clarelynn Farms	2	46 1	85 9	12,099	555
Elam G Hoover	B3	70 4	88 4	14,897	554
Robert E Kieffer	B3	60 2	88 3	15,520	553
Way Har Farms	B3	111 4	89 8	15,447	553

Carroll-Baltimore County DHIA
November, 1986

Maple Lawn Farm, Inc , Fulton, Maryland, had the herd with the highest average for the month of November according to figures just released by the Carroll Baltimore Dairy Herd Improvement Association

During the month of November, 98 dairymen in Carroll Baltimore counties participated in this program Listed below are the top ten herds based on their herd averages over the past year

Owner	No. Cows	Milk	Fat
Maple Lawn Farm Inc (C E Iager & Son)	158	21 969	789
Marlin Hoff	355	21,200	763
Rose Croft Ltd (Gary Derr & Brad Garst)	90	20,320	745
Barnes and Wilhide	53	19,434	722
Edrich Farm	129	19,869	706
Joe Schwartzbeck	116	19 248	704
Del Myr Farm (Roger and Jeff Myers)	56	19,370	693
Flint Hill Farm (Edgar Schaeffer)	55	19,549	000
Unicorn Associates, Inc (Bendig and Powel)	87	18,287	688
Windsor Manor (Jason and Donna Myers)	44	19,497	679

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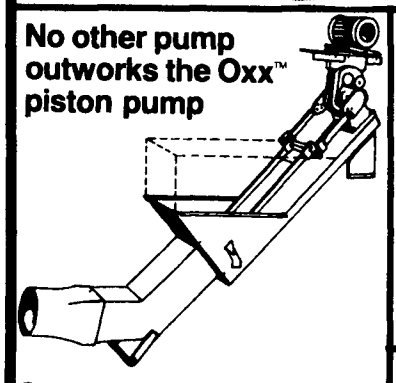

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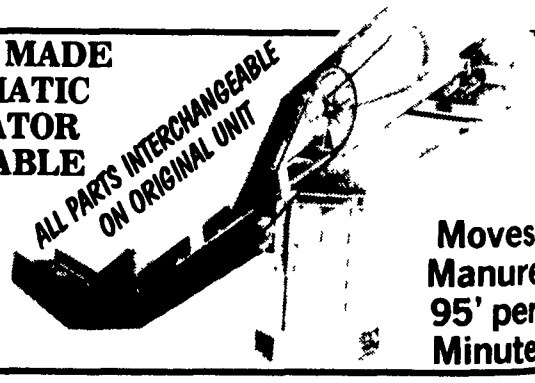

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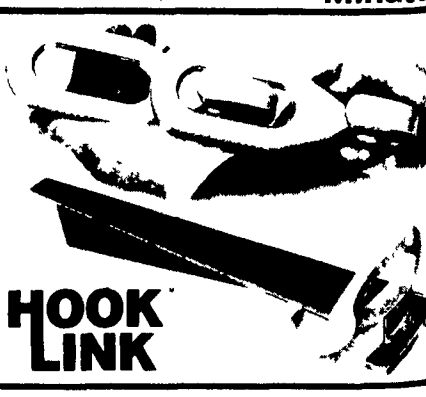

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The Basics Of Management

Six Steps To Establish Control Of Farm Business

(Part 2)
BY ROLAND P. FREUND
Area Farm Management Agent

Step 2. Where are you headed? - Setting Goals.

Step 1 showed us how to analyse our situation and find out where we are, both financially and in terms of productive resources. Now we need to make some decisions about the future - where do we want to go from here?

It is important, before you think about anything else, to recognize the fact that **you farm to live** - you shouldn't just live to farm. This means that the lives, the welfare, the needs and the happiness of the **family** members should be the first things considered in the process of setting goals. The whole family needs to be involved.

You need to set goals which involve different **time-frames.** These might be lifetime or **long-range, 10-year, 5-year,** and **1-year** goals. Then it is important to sort out the different **activity areas.** Take these one-at-a-time and consider goals for **family,** the overall **farm business,** and finally look at specific **enterprise** or **production goals.**

Family goals you might include such things as: provision for your retirement, education of your children, home remodeling or improvement, overseas travel or an extended family vacation.

It is important to examine your goals and ask yourself some very basic questions about these goals: Are they realistic? Are they achievable? Is your present farming operation the best way to earn the money to do these things?

If farming is unlikely to provide the means of achieving family and personal goals, then you need to explore alternative employment. Don't condemn your family to a life of poverty so that you can continue to work at goals which your farming activities can never achieve.

Should it be that your farming operation is indeed a promising means of reaching your goals, then proceed by setting specific and achievable goals for it. Set them in the same time-frame as you used for family goals. Farm business goals might include: $— of net farm income, real-estate ownership conservation improvements, soil fertility levels. Be careful **not** to set such things as herd expansion or 200 horsepower tractors as independent farm goals.

Finally, consider and list specific **enterprise** and **production** goals. These might include such things as: a specific low somatic cell count, at least 95 percent calf survival, reduced fertilizer purchases to— tons. In this process keep in mind that **profit margins** are what we need to aim for. Remember that bigger is **not** always better. Topping the county DHIA list may be less profitable than coming in 5th or 25th.

Having set specific family, farm, and enterprise goals, you will be in a position to plan a production program aimed at achieving these goals. This can be called the **"game plan"** for your farm, and its preparation will be the subject of our next installment in this series on the Basics of Management.

(Continued Next Week)

NFO Plans Marketing Schemes

CORNING, Iowa – "There are those who say we have reached a crossroads in agriculture; but I say to you, we have crossed that intersection and we now know where we are going and we know how to get there," NFO President DeVon Woodland told more than 3,000 National Farmers Organization delegates at the organization's 31st annual convention in Nashville, Tenn.

Woodland, in making the announcement, said NFO is prepared to challenge the industry and is ready to take its place as the all-commodity marketing agency in common for all agriculture producers. "We have the marketing programs in place to cash flow agriculture," he emphasized. "And it has now become apparent that farmers, other farm organizations, bankers and consumers are joining with us to make these programs work in the marketplace."

NFO department directors, at the convention, made two major announcements. Because of the severe financial pressure facing dairy farmers, NFO Dairy Director Al Scott announced NFO will pay its dairy producers in Minnesota and Wisconsin three times per month starting in February instead of the traditional two times per month established by the dairy industry. This effort, he said, will challenge the dairy industry to begin paying dairy producers on a more timely basis. If the industry does not meet this schedule, it will face losing its supply of milk to NFO. The program, he added, will be expanded to other states as fast as possible.

NFO Livestock Director Walt Hackney joined Scott in spreading NFO's news to delegates. "We now have five distinct programs under our original forward contracting program, which will allow livestock producers to sign the type of contract with NFO that producers need to cash flow their cattle, hog or sheep operations," he said. "These programs, which have an established floor price with an opportunity to share in any market appreciation above the base, may be adapted to meet any producer's needs. There is no longer any reason for livestock producers to hesitate signing marketing contracts."

NFO Grain Department officials also got into the act as they announced the organization would continue to evaluate government programs for the benefit of agricultural producers in the upcoming year. This year alone, NFO has been able to put more than $4 million into the pockets of producers through constructive use of government programs such as "PIK and Roll."

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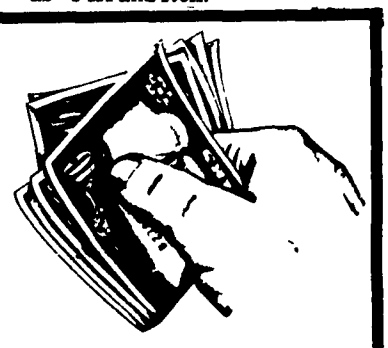

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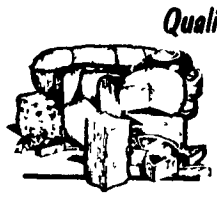

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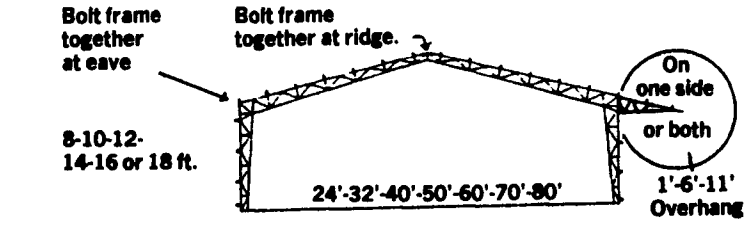

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USDA Proposes To Allow Lower Fat Cooked Sausage Products

WASHINGTON – The U.S. Department of Agriculture is proposing to allow meat processors to make lower fat hot dogs, bologna and other cooked sausage products, as long as labels on the products meet USDA rules for lean and lower fat claims.

The proposal would allow processors to increase the amount of added water in cooked sausage products above the current 10 percent limit. As a result, processors would be able to reduce the fat content in products by replacing fat with added water. The flavor and nutritional content of the products would remain comparable to other cooked sausages, according to Donald L. Houston, administrator of USDA's Food Safety and Inspection Service.

"This proposal is in keeping with our desire to facilitate the marketing of lower fat products," said Houston. "We encourage processors to reduce the fat content in cooked sausage products so long as they are as nutritious as the traditional product and the labeling is clear and not misleading."

The proposal would allow the use of a 40 percent fat and added water combination in these products. The maximum fat content in the finished product would continue to be restricted to 30 percent.

The labels of cooked sausage products prepared under the proposed rules would have to comply with USDA's new labeling policy for lean and lower fat claims, Houston said. In March, USDA restricted its definitions for fat claims that can be used on meat and poultry products, giving processors one year to change their labels.

"Based on the labeling policy, the terms 'lite,' 'light,' 'leaner,' and 'lower fat,' could be used on cooked sausage products if the products contain at least 25 percent less fat than similar products in the marketplace," explained Houston. "However, when using these terms, processors would need to include a statement explaining the comparison on the product's label. For example, the label for lower fat hot dogs might include 'This product contains 20 percent fat, while USDA allows 30 percent fat in hot dogs."

The proposed rule responds to a petition by the American Meat Institute requesting USDA to develop a standard for "lite" frankfurters and cooked sausages.

USDA is soliciting public comment on the option of eliminating the standard for frankfurters, since no standard exists for setting maximum content for fat or water added to products made with poultry meat such as chicken frankfurters. The department is also seeking comments on labeling alternatives for products without a standard.

Written comments may be sent in duplicate by Jan. 23, to the U.S. Department of Agriculture, Food Safety and Inspection Service, Regulations Office, Attn: Linda Carey, Hearing Clerk, Room 3168-S, Washington, D.C. 20250.

Under the Federal Meat Inspection Act, USDA develops standards for meat and poultry products and ensures the safety, wholesomeness and accurate labeling of these products.

ASCS Announces Disaster Payment Program

Recently-enacted farm legislation authorizes USDA's Agricultural Stabilization and Conservation Service to compensate eligible producers in disaster-affected counties for losses of 1986 crops caused by drought, excessive heat, floods, hail or excessive moisture.

The Chester-Delaware County Agricultural Stabilization and Conservation Service Office said the 1986 disaster payment program will provide generic commodity certificate payments on program and nonprogram crops. For this disaster program, the program crops are defined in the Disaster Act as wheat, corn, grain sorghum, barley, oats and soybeans. Nonprogram crops are defined as tobacco and commercial crops.

Eligible counties are those counties in which producers are eligible to receive Farmers Home Administration emergency disaster loans for crop losses in 1986 caused by drought, excessive heat, floods, hail or excessive moisture.

For nonprogram crops, the county must have been designated on or after July 1, 1986. FmHA disaster loans are available in Chester and Delaware counties, therefore, producers are eligible to apply for the program.

Eligible producers who apply for the disaster payment program must furnish ASCS with acreage and crop production reports, and, under certain conditions, provide evidence of their actual yields for 1983, 1984 or 1985 for all crops except wheat, corn, grain sorghum, barley, oats and certain kinds of tobacco. The county ASC committee will use the acreage and production data reports to determine the eligibility for nonprogram crops including soybeans.

To qualify for disaster payments on wheat, corn, grain sorghum, barley and oats farmers must have participated in the 1986 acreage reduction program for the crop. For the other crops, the acreage for disaster payments is limited to the 1985 acreage of the crop.

The payment rate is the county loan rate for the crop, or an average market price for crops without a loan rate. Payments will be limited to $100,000 for program crops and $100,000 for nonprogram crops.

Farmers are encouraged to organize their production data as quickly as possible so that they will have the necessary information when they apply for the disaster payment program. The final date for filing disaster payment applications is Jan. 30, 1987. Program applications are not on a first-come, first-served basis.

Farm Law Courses Available

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For a more complete package, also send for the course titled ESTATE PLANNING FOR FARM FAMILIES. This course tells you that a will is extremely important even though everything is jointly owned, plus several other important points about planning your estate.

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Wheat, Barley, Oats Growers To Receive Deficiency Payments

WASHINGTON — The U.S. Department of Agriculture will make approximately $2.1 billion in additional deficiency payments to eligible producers of 1986-crop wheat, barley and oats, a USDA official said.

Eligible wheat farmers will receive about $2 billion, barley producers about $55 million and oat producers about $25 million in additional deficiency payments for this year's crops, according to Milton Hertz, administrator of the U.S. Department of Agriculture's Agricultural Stabilization and Conservation Service.

Hertz said the additional deficiency payments will be paid 50 percent in cash and 50 percent in generic commodity certificates. The cash portion of the payments is subject to a 4.3 percent reduction in compliance with the sequester order issued under the Balanced Budget and Emergency Deficit Control Act of 1985 (the Gramm-Rudman-Hollings Act). Generic commodity certificates are not subject to the reduction.

About $1.4 billion in advance deficiency payments has already been paid to wheat producers, $150 million to barley producers and $15 million to oat producers.

Deficiency payments are required under the 1986 wheat, barley and oat programs because national weighted average market prices received by producers during the first five months (June through October) of the marketing year were below established target price levels.

Deficiency payment rates are determined by the difference between the target price for each commodity and either the national weighted average market price for each commodity from June through October, or the national announced loan rate for wheat and the basic loan rates for barley and oats, whichever is higher. Eligible producers will be paid deficiency payments at rates shown in the table below.

	Wheat	Barley	Oats
Target Price ($/bu)	4.38	2.60	1.60
Loan Level ($/bu)	2.40	1.95	1.23
5-Mo. Mkt. Price ($/bu)	2.32	1.54	.946
Def. Pymt. Rate ($/bu)	1.98	.65	.37
Advance Payment ($/bu)	.915	.475	.225

The deficiency payments for all three crops are the maximum permitted by law. Eligible barley and oat producers will receive additional deficiency payments in July 1987 if the national average market prices received by producers for the entire marketing year for the two commodities are below basic loan rates.

New Product Protects Seeds

PEKIN, Ill. — Trace Chemicals, Inc., has announced a new corn seed protectorant called **Kernel Guard.** The dry product is designed for use at planting time and is mixed with corn seed in the planter box.

Kernel Guard contains diazinon, lindane and captan. Diazinon and lindane are insecticides to protect germinating seeds and seedlings against seed corn maggots and wireworms. Captan gives added fungicide protection against seedling blight, dampening off, or seed decay. Graphite is added to help seed flow easily and evenly from planter box. Marketing efforts are already under way.

For more information, write or call: Trace Chemicals, Inc., P.O. Box 518, Pekin, Illinois 61555, (309) 347-2184.

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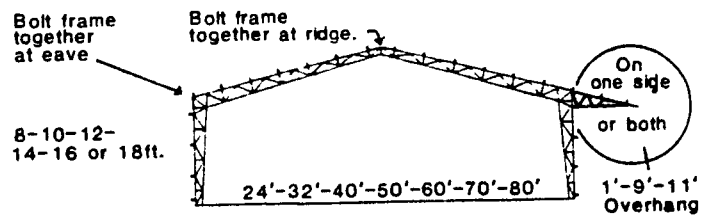

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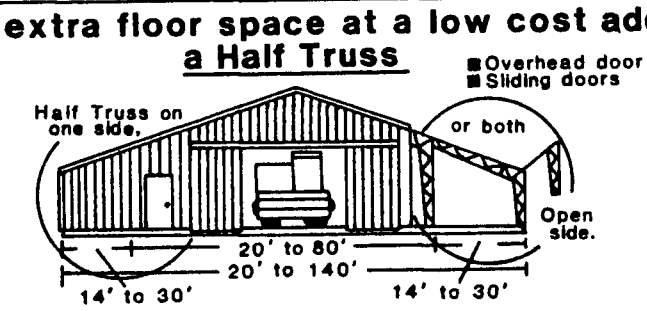

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USDA Establishes Small-Scale Farming Office

WASHINGTON — Secretary of Agriculture Richard E. Lyng has announced the formation of the U.S. Department of Agriculture's Office for Small-Scale Agriculture.

The new office will work with other USDA agencies to focus department expertise and resources on issues concerning small-scale farming, and will coordinate its functions with other rural development activities within USDA, according to Lyng.

The office falls under the jurisdiction of USDA Assistant Secretary for Science and Education Orville G. Bentley, and is headed by Program Director Howard (Bud) W. Kerr Jr., an agricultural economist specializing in small-farming operations.

"Changing trends in recent years have caused small-scale agriculture to become a viable economic enterprise," said Kerr. "Small farms have increased in number and importance partly as a result of consumers' increased preference for fresh, locally grown farm produce. Another reason is the increase in direct marketing avenues, including local retail farm markets."

Kerr said the office will assess and disseminate information on research, education and technological developments of interest to small- and medium-sized farm operators. Support for the new office will be provided by the Small Farm Resources Development Working Group, consisting of representatives from several USDA agencies, he said.

According to U.S. Census Bureau's 1982 census, the number of farms of less than 50 acres in size has increased 17 percent 1978. Census Bureau and USDA data show that many small farms are operated by part-time farmers who produce diverse agricultural products including vegetables, fruits, nursery plants, honey and livestock.

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Barn Ventilation

BY R.E. GRAVES

If your barn smells like a barn or if your animals cough and hack whenever they are moved around you may have ventilation problems. Animals continually breathe out moisture. A mature cow will breathe out four to five gallons of water every day.

If you do not remove this moisture filled air and replace it with fresh dry outside air, a wet, smelly unhealthy atmosphere will result. Manure and wet bedding also produce ammonia gas.

Remember these three rules: animals breathe out moisture; air exchange removes moisture from the barn; and air moves through holes.

Simply stated, this means that to maintain good conditions in a livestock barn provisions must be made for air exchange. A barn that is all boarded up to try and keep the pipes from freezing or that has inadequate air inlets to provide good distribution of fresh air to all animals will probably be unhealthy for the animals.

In uninsulated barns, or barns with too few animals to maintain temperatures above freezing, watering systems must be frost proof. This is often true in youngstock barns.

Bank barns may require the construction on inlet ducts along bank walls or air inlets down from the hay mow to assure that all animals get their share of fresh air.

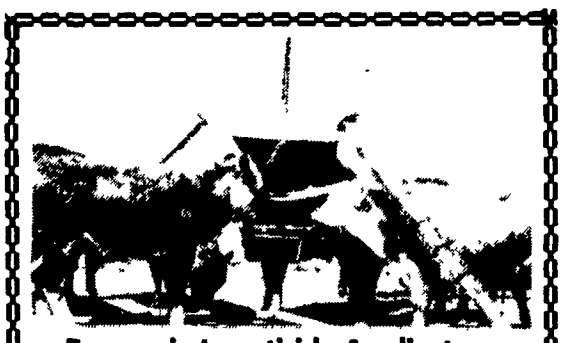
Air leakage through gutter cleaner chutes, hay doors and silo rooms may result in short circuiting in exhaust fan systems.

Two EXCEL programs available from ECS can help in design of ventilation systems for stall barns and bank barns that have been converted to youngstock housing.

Dairy Barn Ventilation Sizing (exhaust fan systems and ducts for tie stall barns).

Pressure Ventilation by Air Exchange (barns converted to loose housing, requires a frost proof water system).

7 LIVESTOCK EQUIPMENT



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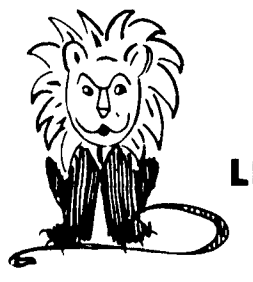

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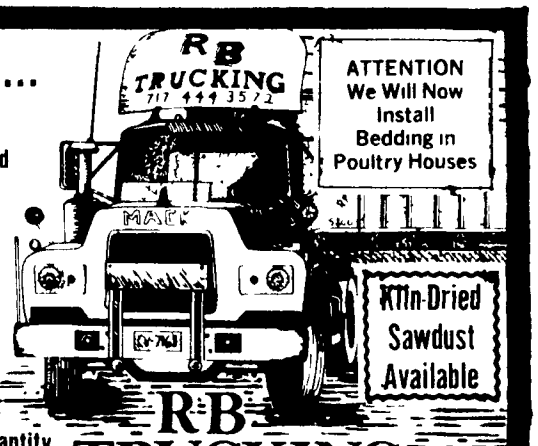

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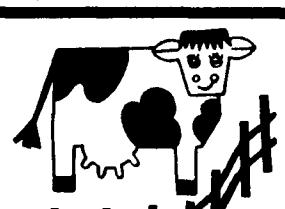

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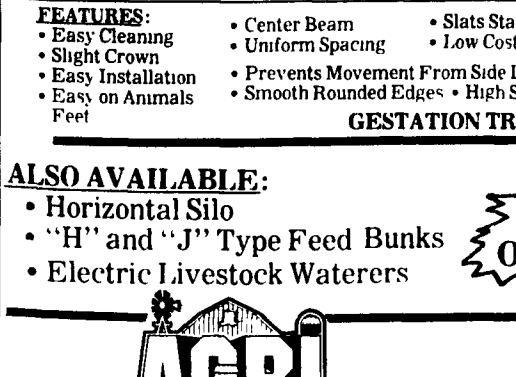

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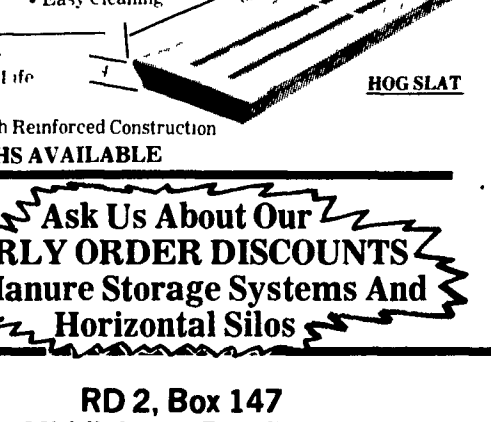

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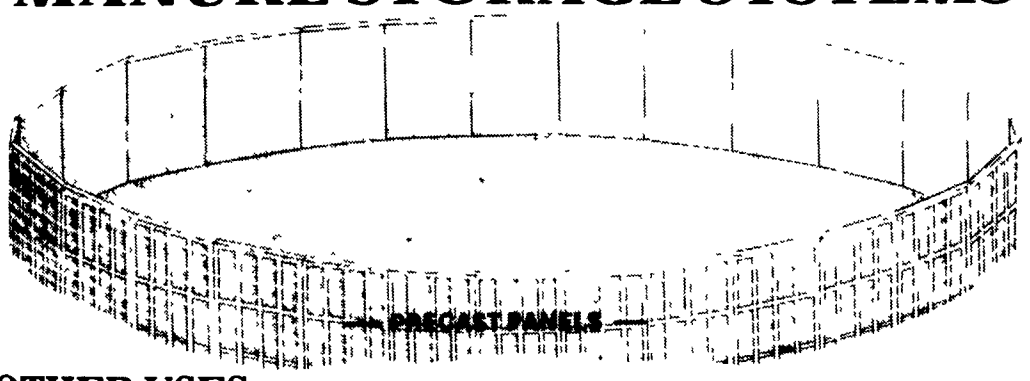

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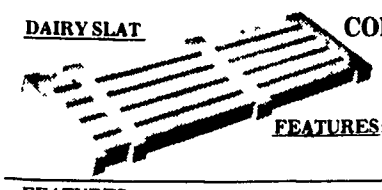

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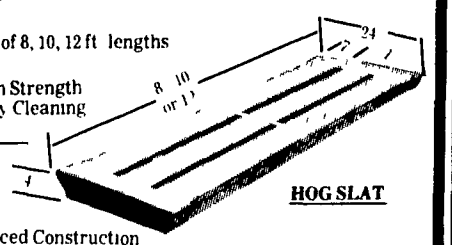

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MUST SELL
Registered Polled Herefords, Cows, Calves, Heifers
3 yr. old herd bull Granite breeding.
Poor Health Forces Sale
Bradford County
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9 HORSES AND MULES

(4) Belgian Fillies w/light mane & tails, (1) Red Sorrel, eligible to register, (2) full sisters, blond w/stripes, foaled 1985 & 1986. Steven Fisher, Lincoln University, Pa 19352

MORITZ HORSE & STOCK TRAILERS
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Cheshire Hunt Stables
9 Whippey-type saddles (no knee rolls), bridle w/3 twisted cheek Snaffle bits, 1 w/dropped nose band, 2 gags & 2 snaffles. All saddles fitted w/irons, leathers, standing Martingale & leather cut-in, girth & Numnahs.
Anyone who might shed light on this, call collect
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Stop by to choose your horse & tack from a large selection.
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Wishing You A Wonderful New Year!

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For Sale: Stud Yearling Suffolk Ram, champion at MD 4H & Eastern National Livestock Shows. 301-343-0083

11 SWINE

YORKSHIRE AND LANDRACE boars and gilts of all ages. Pseudorabies negative tested boars for sale at all times. Production tested, certified meat tested. Show winners with many carcass champions. Daily drive-in and drive-out service. Reno H Thomas, Beavertown, PA 17813. 717-658-5821

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For Sale Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines. Willow Glen Farm, R1, Box 221, Strasburg, PA 17579. 717-786-2562

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Landrace Sired by
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2.54 ADG .66 BF 6.00 LEA 226 F/G
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SCAN DATA AVAILABLE
Boars From Highly Productive Sows
WE EXHIBITED
GRAND CHAMPION CARCASS
AT KILE (PCx¾ LAND)
.5 BF 7.4 LEA 30.4 CL 61.79% lean
Kent Strock 717-697-2824
Mechanicsburg, Pa.

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Colts, beautiful Tennessee Walker, Quarter Cross, 8 to 14 months, for Christmas. 215-383-1890

FOR SALE: 5 yr. old black pony, 42" high. Lanc. Co. 717-354-5039.

FOR SALE: 5 yr. old carriage horse, good hitcher. Lanc. Co. 717-354-5039.

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4 yr. old mare, safe & sound, 16.1 hands, $900. Call 717-768-3197 Between 7 a.m. & 5 p.m.

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Would like to purchase harness, bridle & reins. Working type harness for animal average weight of 1,400 to 1,500 lbs. New or used, in good condition. Also wanted horse drawn wagons 409-258-3093 or 713-869-3491 Ask for Bill.

11 SWINE

If you have swine to sell or buy - check our swine column It is read weekly by thousands 717-394-3047 or 717-626-1164

Tested Yorkshire Large Whites Service Boars Delivery Available Stern Yorkshires, RD2, Box 366, East Berlin, PA 17316. 717-292-4634

FOR SALE-Yorkshire Service Boars. Elwood E. Houser, 2150 Quentin Rd., Lebanon, PA 17042. 717-272-5798 or 273-2921.

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Yorkshire - Duroc - Large White
Yorkshire Large White Cross
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We are consigning 25 Bred Gilts, due late January thru mid February. For the PA FARM SHOW BRED GILT SALE, January 12 & 13, 1987.

PRIVATE SALE
Service Boars For December & January Service.
Open Gilts, Large Supply, Ready To Breed & Younger.
Boars & Gilts Sired By tested Boars & Out Of Production Tested Dams.
Bred Gilts Due January.

Next Sale
Saturday, February 14, 1987
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75 Bred Gilts, 40 Boars, 40 Open Gilts

Yorkshires-Landrace
Leon L. Arnold
R.D. 7, Box 705
Lebanon, PA 17042
717-273-5880

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Lawrence Arnold
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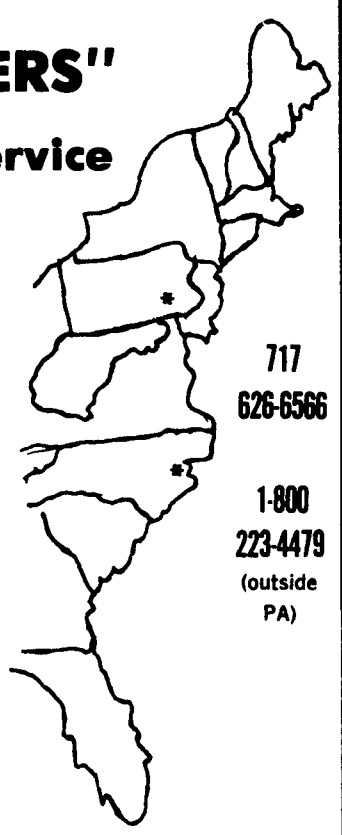
Choose from our Terminal (Hamp Large White and Montanna x Duroc) or our Maternal (Yorkshire x Lacombe) lines.



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Quality Boars & Gilts
At Reasonable Prices
Validated Herd
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13 HOG EQUIPMENT AND SUPPLIES

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11 SWINE

Duroc, Yorkshire, Spotted Boars, Open Gilts and Bred Gilts Calvin Lazarus and Sons, 4290 Bridge Street, Whitehall, PA 18052 215-799-3375 or 3831

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Boars & Gilts
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13 HOG EQUIPMENT AND SUPPLIES

15 Ag-Star rotary feeder, stainless steel bottom, like new condition. Also 6 ton feed tank. Lancaster Co. 717-733-4583.

White LP gas heater, 60,000 BTU, like new. Cumberland Co. 717-423-6722.

12 ARTIFICIAL BREEDING

Apollo SX44 semen tank Jetstream, Spirit, Ira, Forecaster, Nedboy, etc $2,200 for entire unit 717-992-3355

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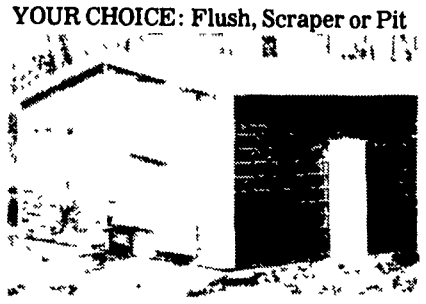

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- Capons
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Will buy moldy grain. 301-833-1847.

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ProLasse 8%
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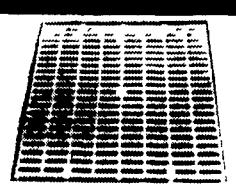

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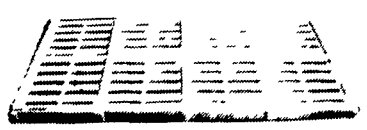

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- Unique ribbed surface for traction
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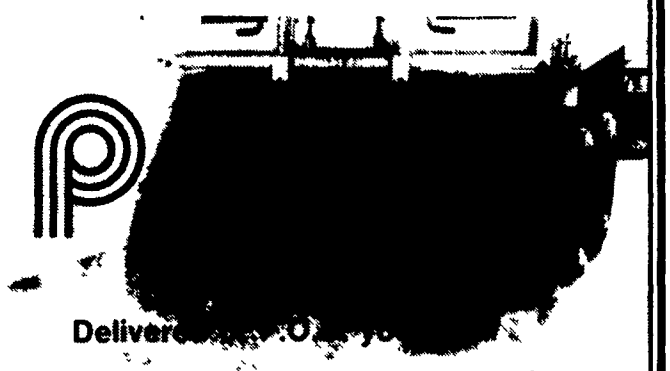

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Check Other Hourly Rates - Then Call for Our Rates
We're Experienced & Do Quality work
"We Want And Need Your Business"

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17 PLANTS

Used 128 Cell Todd Speedling planter flats, 1½"x1½", $2 00 each Large quantity available Lanc Co 717-684-0777

22 CUSTOM WORK

We custom build double chain wooden conveyors and taperboard feeders.
Samuel K. Stoltzfus
550 Beechdale Rd
Bird in Hand, PA 17505

22 CUSTOM WORK

JERRY OBERHOLTZER

R.D. #2, Box 440
Newmanstown, PA 17073

PORTABLE GRINDING and MIXING SERVICE
Fresh Sweet Molasses Used
Good Service - Reasonable Rates
Collect Calls Accepted If No Answer
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23 HELP WANTED

WANTED: Swine Managers. Positions available in breeding, farrowing and unit manager for 750 sow units. Units located on Maryland's eastern shore. Substantial benefits for the right people. Interested parties should call 302-436-4100 or send resume to Mrs. Gwen West, c/o Delmarva Farms, P O Box 32, Celbyville, DE 19975

HELP WANTED For an assistant herdsperson needed on 90 cow dairy farm with rolling herd average over 21,000 and over 730 fat. Must have experience with milking Small Christian family preferred Good housing and benefits included Only qualified need apply So Chester Co. PA 215-347 2346

ROSE GROWER: Steady, full-time greenhouse work growing roses as cut flowers. Agricultural, landscape or nursery experience helpful. Company provides benefits and is located near Willow Grove, PA, in eastern Montgomery county. Contact Dave Zieger, Days 215-659-0375, eves. 215-659-7383

Southwestern PA dairy farm seeking full time herdsman Primary responsibility for milking, feeding & breeding programs. Opportunity to build equity in ownership of animals Good compensation commensurate with experience, skills & ability to assume responsibility Write or send resume to Lancaster Farming, PO Box 366-R-102, Lititz, PA 17543

MANAGER - ASSISTANT

Feed Manufacturer - Purina Distributor, Southern Chester County. Mostly Equine Feed Stuffs. Hands on, final job description depending on person and new facility Spring of '87. $350. per week. Benefits - Medical. Send resume to:
P.O. Box 164
Unionville, PA 19375
or Call
215-444-3135 Evenings

HELP WANTED

Modern dairy farm looking for an ambitious crop foreman to care for 600 acres of crop land, 50% alfalfa, and help in dairy barn.
Duties include: planting, harvesting, maintenance, managing people, mixing feed, part-time milking.
Must have dairy experience, welding, own tools and basic mechanical knowledge.
215-756-6993

23 HELP WANTED

Helper needed for large sow complex. Must be willing to work every third weekend. Experience preferred but not necessary. East Coast Hog Service, 35 N. Cedar St., Lititz, Pa. 17543. Call 717-626-6566

Help wanted to strip tobacco. Manor Township. 717-872-5620.

Married person on dairy farm. Part or full time. Housing available. 717-442-4437.

Person needed on Lehigh Co. grain, potato, and poultry farm for general farm work. Machinery experience & references desired. Benefits & housing available. Reply to: Lancaster Farming, P.O. Box 366-L-115, Lititz, PA. 17543.

Person to manage large produce farm. Must have good equipment and mechanical experience. Housing provided. Salary based on experience. Ho. Co. 301-489-4630.

Responsible person to manage a 90,000 capacity broiler operation. Home available. Would also consider leasing to qualified person. Southern York Co. 717-993-6649

Sell Animal Health Supplies
farm to farm.
Must have dairy farm experience and be aggressive. Guaranteed salary plus commission and excellent benefits.
Call:
Animal Medic, Inc.
717-266-5611

Experienced person for Southern Chester Co. family dairy farm. Top wages with future in mind. Single person may live in or mobile home for couple. Position available immediately.
—— Phone ——
215-869-9267

Quilts and Quilters Wanted
Large midwest quilt shop needs extra fine quilts. Send photos and prices.
WE PAY CASH!
We also buy good Antique quilts.
The Country Store
49 Spring St
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501-253-7648

Person experienced in dairy operation, to be involved in all phases of 1 of MD's top Holstein herd. Top salary & benefits, reference & resume required.
MY LADYS MANOR FARM
301-692-6724
after 7 p.m.

HELP WANTED FOR ROOFING
Dependable & conscientious workers needed for shingle application. Excellent benefit package.
Sam Smucker & Sons Inc.
2133 Rockvale Rd.
Lancaster, PA 17602
717-392-3369

Full Time or Part Time Manager

for 120 sow unit needed. Columbia-Washington Boro area

Call 717-626-6566.

POULTRY SERVICE PERSON

ROUND HILL FOODS is seeking an individual for the position of Service person. Requires an interest in Agriculture and a desire to learn disease control & management of birds. This person must be out going & enjoy working w/people. Some college training is preferred.

Interested persons should send resume, including current salary to:

Round Hill Foods, Inc.
Attn: Grow Out
P.O. Box 38
New Oxford, PA 17350

PLANT MANAGER

A central Pennsylvania egg processor has an immediate opening available for a motivated, self-starting individual as plant manager in its shell egg division. Must have back ground in processing plant management.

Responsibilities include:

* Personal Management
* Purchasing And Sales Contracts In A Plant With A New Stallkat 8200 Grader.

Send resume to:
Lancaster Farming
P.O. Box 366-A-111
Lititz, PA 17543

PART TIME TRACTOR TRAILER DRIVER

Position available, leading to full time. Dutch Farm Snacks in the Denver/Ephrata area. Customer requirements have prompted us to look for a dedicated, hard working tractor trailer driver with 3 years of over the road, accident free experience. Hauls to Central Pennsylvania, Eastern United States and Detroit area. Company tractor and trailer furnished and maintained. Workers comp. insurance coverage, liability insurance coverage. Must have class 3 license. Must be able to pass DOT physical and meet DOT requirements.

Apply in person at:
Dutch Farm Snacks
Denver, PA 17517
or call **215-267-4905**

WANTED: DISTRIBUTOR FOR MAJOR BAG CO.

Must be established, having allied Agricultural and Industrial lines, to sell paper, burlap and mesh bags, and packaging supplies.

62 year old company looking to expand sales territory in Pennsylvania, has good opportunity for aggressive person to represent us. Call or write, giving your background.

If you are interested in selling a good product, much in demand - let's talk it over.

Call collect **516-681-5900**

Wasserman bag co., inc.
70 COMMERCE PL., HICKSVILLE, N.Y. 11801
TEL. 516-681-5900 N.Y.C.

Farm Equipment Appraisers needed. Are you familiar with Farm Equipment values? If you are, you may be qualified to become a Certified Farm Equipment Appraiser
Call
208-734-7570
American Society of Farm Equipment Appraisers
P O Box 186
Twin Falls, Idaho 83303

24 SITUATIONS WANTED

WANTED: Individual to take first mortgage. Would be willing to pay 9.5% on 7 year term. Replies kept confidential. Write: Lancaster Farming, P.O. Box 366, R-98, Lititz, PA 17543.

Young married man with PSU Agronomy Degree and some limited farm experience desires full-time farm work starting in May. 814-234-0650.

26 HOUSEHOLD

Distributor Retirement Sale: Ekco stainless steel, multi-ply, heavy gauge, waterless 18 pc. cookware, 50 year warranty. 717-866-5555.

Maytag wringer washers--few like new. Engine of your choice. We mount or kits to mount your own. Maytag parts in stock. Stoltzfus Engine Service, 2447 Stumptown Rd., Bird-in-Hand, PA 17505.

Sales & Service of machanical, electronic, computerized and overlock Husqvarna Viking sewing machines. 717-866-5555.

27 PETS

AKC Labrador Retriever puppies, males and females, shots, wormed. Both parents on premises. Call 717-833-4909

Border Collie pups. Sire Sheep Trial Winner. Ready 12/18/86. 814-766-3449.

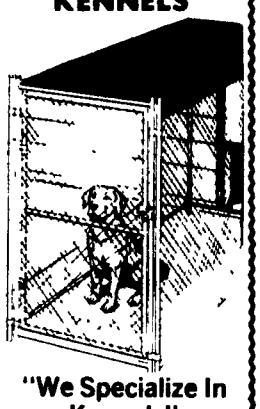
Catahoula dogs and pups for sale. 215-493-4900.

FOR SALE: 10 mo. old male Chow-Chow. Lanc. Co. 717-354-5039.

FOR SALE: Purebred Australian shepherd pups, 7 wks. old, $50 each. Walter Yoder, Path Valley Rd., Spring Run, PA 17262. Franklin Co.

Registered Australian Shepherd pups. Variety of colors. Good working stock. Excellent family and guard dog, $150. New York, 716-595-3210.

CUSTOM BUILT CHAIN LINK KENNELS



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Singles To Large Complexes
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Quality Fencing & Supply
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New Holland, Pa 17557
717/354-9760

27 PETS

WANTED-Puppies, all breeds. Jack's Dog Farm, Rt. 611, Pipersville, PA 18947. 215-766-8802.

PUPS WANTED
AKC & Cute Curly Mixes, 7 weeks old for pets only. Highest cash prices paid. Reliable weekly pickup. Call The Puppy King at Pet Depot.
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Daily
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Early Morning
Call Collect
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Thursday Only
P.S. We buy pups 52 weeks a year.

WANTED Puppies For Pets
AKC, Purebred, Mixed Litters.
Stud service for most breeds
Transportation provided
Forest Ridge Kennel
296 S. Vintage Road
Paradise, PA 17562
717-442-4259

32 MISCELLANEOUS

2100' 8" ABS Armco truss pipe, $1.00 per foot; Wye saddles and delivery available. Good for drain pipes, etc. Lancaster Co. 215-267-5992.

(2) Hot Water Boilers, coal stoker or oil, 360,000 BTU, $900 each. 717-872-2781

ANTIQUE WOOD BEAMS, excellent condition, various lengths. Good for restoration work, $.85 - $1.50 linear feet. Call 215-383-0800.

WOODWORKERS AND CONTRACTORS
Heavy duty woodworking equipment, power tools & air compressors. Precise quality, low prices & 100% guaranteed.
15" Planers, $695.
15" Scroll Saws, $99.95.
14" Band Saws, $275.
10" Table Saws, $375.
10" Radial Arm Saws, $375.
8" Jointers, $545.
6" Jointers, $275.
1" Shapers, 3hp, $989.
½" Shapers, $265.
4x6 Belt & Disc Sanders, $79.
6x9 Belt & Disc Sanders, $189.
6x196 Stroke Sanders, $635.
5-Speed Drill Presses, $124.
12-Speed Drill Presses, $148.
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5HP 60 gal. Air Compressors.
Larger Equipment Available. Super Savings on all size air compressors. Bargain Prices on Makita, Milwaukee, Porter Cable, Black & Decker, Ryobi, David White Transits & more.
Call for prices. Cash discounts. VISA, Mastercharge accepted. Wholesalers welcome. Will try to beat any price, anywhere.
CONESTOGA SUPPLY
215-445-4669

Bandsaw blades made to order. Wood, metal or meat cutting. Also, butcher handsaws & blades. UPS shipping. 717-733-0511. Martin's Sharpening, RD#1, Ephrata, PA 17522.

Bought and sold new and used cardboard boxes, drums. Pint, Quart & Gallon Containers. Reliable Recyclers, 178 Greenfield Road, Lanc., PA, 17601, 717-397-7695

FOR SALE: Cockatiels and finches. 301-271-2010.

Saw Mill, 0-1 Frick, 4 head block carriage, new wood husk & ways, 56" saw, $2,500. Also lot of cherry logs. York Co. 717-244-1124

Showcases, for jewelry, etc. Desk for computer or typewriter. Commercial hairdryer. 15h air compressor. (3) 60 hp electric motors. 201-291-9371.

STORAGE SPACE FOR RENT: 1st & 2nd floors, both 100'x30'. Silver Spring. 717-285-4612

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World's Finest COOKSTOVES
Sales and Service
Since 1976
New and Used Models
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PREMIUM GRADE ANRACITE COAL
LONG BURNING
LOW ASH
ALL SIZES
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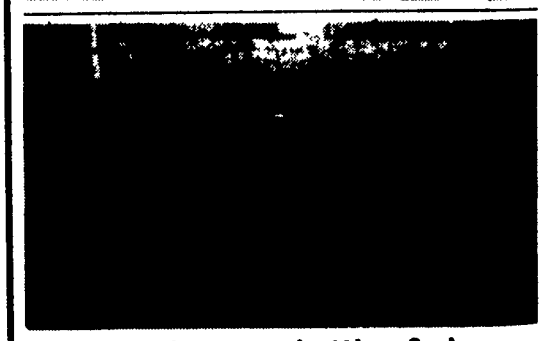
PA 18947



Butcher furnace, kettles & doors, single fire jackets & double fronts & tops or single tops, door size 16x12. Kettle size 22 to 26. 3 ft. & top rims.
Jacob E. Fisher
Georgetown
Box 22, Bart, PA 17503

For Sale: 5000 feet air dried cherry lumber. Call 717-734-3484 after 8 PM.

Make Offer: 4,000 gallon solid steel tank w/man hole, 64" dia. x 24'. Sutton Bros., Marysville. 717-957-2047

Pole Buildings 24'x40' completely erected $3,999.00. Overhead and entrance doors included. Other sizes available. Call CHAPARAL BUILDINGS 1-800-772-0072 Anytime. Material Only Packages Available.

WANTED
Hossfeld pipe bender.
Quick change toolpost.
717-529-2528

Let Experienced Cutters Cut Your **Timber** So You Will Have A Harvest Every 10 to 12 Years
Call
717-548-3422
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Guy Sexton Logging and Timber Management
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Peach Bottom
PA 17563

For Sale
Meat grinders, band saws, slicers & tenderizers. Also new splitting saws for only $249.00.
Gerry Grundy
Doylesburg, PA
On Rt. 75 - 200 yds. N. of Rt. 274.
Open Sat. & Sun. 10 AM - 4 PM
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or eves.
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32 MISCELLANEOUS

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Self-Contained Composting Toilet
Needs No Water Or Chemicals

Replaces conventional septic systems with a self-contained bioconversion appliance • Eliminates wastewater discharge • Constructed from rugged stainless steel and non-porous plastic • Features positive venting for odor-less operation • Easily maintained • The compact HUMUS 80 occupies only 25"x33" of floor space

Pump Services, Inc.
157 Knoxlyn Rd., Gettysburg, PA 17325
(717) 334-0224 or (800) 242-3909

33 RECREATIONAL VEHICLES

1970 23' Omega motor home, fully loaded, self contained, ready to travel, excellent shape, $7,000. 215-279-7739

FOR SALE: 1985 Rockwood 31' Class A motor home, 3,049 mi., roof air, dash air, microwave oven, awning, center bath, tow hitch, 454 Chevy engine. Still under warranty. 717-273-5231 or 272-0574.

34 AUTOS

For Sale: 1982 Grand Marquis Mercury, electric door locks, windows, seats, aerial. Vinyl roof, 53,000 miles, excellent condition. Chester Co., Oxford, PA 215-932-5873.

Wanted: 1965-73 Ford Mustang, any condition, will travel. 717-244-8143. York Co.

35 TRUCKS AND TRAILERS

For Sale: '64 Dodge Hay truck, 14' bed, 9' over cab rack, good engine, truck needs little work. $350. 814-627-5149.

For Sale: '72 Chevy pickup; '66 Ford pickup. 717-626-7747

For Sale: Transfer Trailers, all sizes; Demolition Dumps; Low Boy detachable trailers, 40, 50 & 60 ton. Used trucks, dumps, grain dumps & rollbacks. Keith walking floors, sold & serviced. 814-623-9696 or 814-623-8696

CONSTRUCTION TRAILERS LO-BOY, NEW: 15" wheels, 2" ball hitch, fenders, 2" pine flooring, electric brakes, 8000# rating. 14x6½-$1,400; 16x6½-$1,500; 18x7-$1,800; other sizes available. 215-346-7340.

FOR SALE: 1960 Ford stake body truck, 14' bed, dual wheels, 8 cylinder, 4SP trans. 717-665-6220.

FOR SALE: 5th wheel trailer, 22'Lx7'6"W, dual axle, elec. brakes, 14,000 GVW, 5'H removeable sides, new hardwood sides and bed, excellent condition. Complete with hitch plate. Call 9-5, 717-569-6580.

'82 Chevy C20 ¾ ton pickup, 305 4 spd., PS, PB, 7,200 GVW, 34,000 miles, excellent condition, $5,400. 717-733-2873

'83 Chevy C10 ½ ton, 4 x 4, 305 HD 4 spd., PS, PB, AM-FM, 6,100 GVW, 22,000 miles, excellent condition, $7,950. 717-733-2873

'84 Chevy HD C20, 350 auto., PB, PS, AM-FM, 8,600 GVW, 40,000 miles, $6,500. 717-733-2873

'84 Nissan King Cab pickup, 4 cyl., 5 spd., PS, 1 owner, excellent condition, $4,950. 717-733-2873

'85 Chevy C30, dual whl., 10' stake body, 350 auto., PB, PS, AM-FM, dual tanks, 10,000 GVW, excellent condition, $9,600. 717-733-2873

'85 Ford Explorer F250 HD ¾ ton pickup, 351 4 spd., PS, PB, dual tanks, AM-FM, 8,600 GVW, $7,800. 717-733-2873

'85 Ford F250, 4x4, 300 6 cylinder, HD 4 spd., PS, PB, lock out hubs, $8,700. 717-733-2873

'86 Chevy C30, dual whl. w/8' Contractors dump body, 350 4 spd., PS, PB, dual tanks, 10,000 GVW, 2,000 miles, like new, $12,900. 717-733-2873

'86 Ford F250 Super Cab, 4x4, 351 V8, PS, PB, heavy duty springs, sliding rear window, 2,200 miles, new condition. Must Sell. $15,400. 717-872-6683

'86 Ford F350, dual whl., cab & chassis, 6.9 diesel, 4 spd., PS, PB, air, AM-FM, dual tanks, 84" CA, 11,000 GVW, 3,000 miles w/balance of factory warranty, $12,700. 717-733-2873

86 Ford Super Cab F-150, 4x4, 3,000 mi., $9,500. Somerset Co. 814-893-5589.

'86 GMC 2500 HD ¾ ton 4x4, 350 4 spd., PS, PB, dual tanks, lock out hubs, 8,600 GVW, 15,000 miles, like new, $10,995. 717-733-2873

Chevy 350 cattle truck, 10' bed, new clutch, tires, exhaust, $1,950. Call 9-5, Mon.-Fri. 609-691-9765

1982 Kenworth K100, full sleeper, 350C (Big Cam), recent clutch, tight engine, very clean, $25,500. Also available 1974 44x13'6" Merritt cattle & hog trailer, very clean w/excellent rubber & spare, $10,500. Call 1-800-222-0645. Ask for Dee

$500 each. Farm trucks. All in running condition. 1954 Chev. 12' stake body; 1959 Ford 12' stake box body; 1955 GM V-8, 14' stake box body. $500 ea. 215-757-7646 Bill or Tom.

'72 GMC tree truck, 12" side chipper, dump body, $3,800 or Best Price. 215-885-1032.

'74 Dodge 300 dual whl. w/10' cattle body, 400 4 spd., PS, PB, 80,000 original miles, 1 owner, $2,200. 717-733-2873

'75 GMC 15 PU Sierra Grande 360, PS, PB, AT, green, white, good condition, $2,475. 717-626-5033.

'78 Ford custom F150 PU, 302, 3 speed, PB, green, good condition, $2,475. 717-626-5033.

'79 Ford 150, 4WD, 4 spd., chrome whls., 33" tires, many extras, excellent condition, $5,000. or Best Offer. 703-253-5435

1973 Chevy C-65 tank truck, 2 poly tanks, hose, reel and meter; 1974 Chevy pickup, 6' bed, 4 WD, lockout hubs, 6 cylinder, 3 speed. 717-367-2667.

1974 GMC Truck w/17' grain dump, 30,000 GVW, power steering, air brakes, 5+2 speed, in very good condition. $8,900. Lancaster Co. 717-733-4583.

1976 Int. truck Omaha grain bed, 16' bed, license, 30,000 gross, 66,000 original miles. 717-292-1111.

1977 Dodge Club Cab, dual wheels, flat bed, 5th wheel hookup, 4 spd., 400 motor, excellent condition. Sells with/or without 1970 Western trailer, 18', suitable for cattle or horses, in excellent condition. 703-253-5435

1978 GMC 18' Stake, 5-speed, PS, 900x20 tires. 717-473-9554.

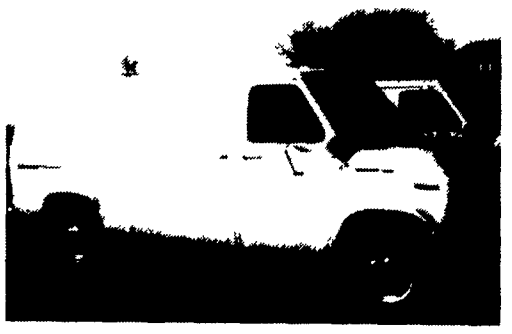
1980 GMC 16' flatbed dump, 5-speed, P.S., 900x20 tires, real nice truck. 717-473-9554.

1981 Ford F350 12' flatbed dump, V-8, PS, PB. 717-473-9554, 374-8837.

1973 C65 Chevy, 5&2, 366 engine w/18' Eby aluminum cattle grain body, 60,000 mis., $9,000; '77, ¾ Chevy PU w/cattle bed, own owner, 24,000 on new motor, $1,500. 301-898-7426.

14' flatbed w/twin cylinder hoist, $650. 717-597-4213.

1986 FORD 350
Econoline, 14' aluminum cube Van, 351 V8, auto. PS, PB, Michelin tires., Only 8,000 Miles.



1984 FORD ECONOLINE 250
7600 GVW, 300 CI Engine, AT, PS, PB, A/C, Only 39,000 Miles
$6,250.00

1986 CHEV G10 CARGO
5600 GVW, 305, AT, PS, PB, Only 19,000 Miles
$7,850.00

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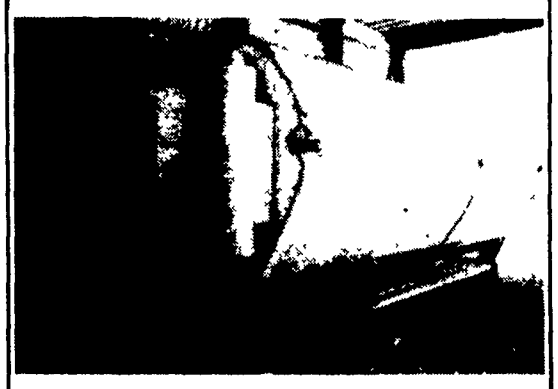

18 ft. Sprout Waldron
4½ Compartments

Complete with Drawback Unit Built By Eastern Mobile Mills

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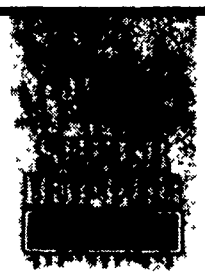
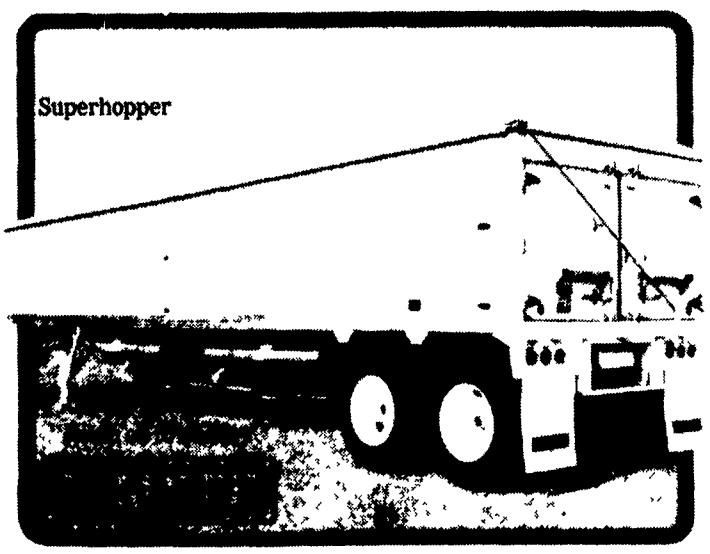


BUY A 1987 TIMPTE LIGHTWEIGHT GRAIN HOPPER NOW



Got Grain? Then get the trailer that is Timpte tough... the Super Hopper. It's not only built to take it...it's also built to cut fuel costs. The Super Hopper is lightweight and aero-dynamically designed to reduce wind drag. When there's grain to be hauled, Timpte does the haulin' best and pulls a lot easier than the rest.

New Timpte, 42'8"x65" Sides, Hopper Bottom In Stock

USED HOPPERS FOR SALE
- 1982 w/40'x65" Sides, Aluminum Timpte Grain Hopper
- 1980 w/42'x65" Sides, Aluminum, Dorsey Level Floor
- 1965 w/40'x65" Sides, Aluminum Fruehauf Level Floor

M.H. EBY, INC.
Box 127, Blue Ball, PA 17506 (717) 354-4971

1984 Suburban, 454 V8, Auto., PS, PB, Front & Rear Air, Ready To Tow... **$13,995**	1976 Chevy Blazer, V8, Auto., PS, PB, Factory Air, Runs Fine - Sold "As Is" Only... **$2,495**	1986 AMC Jeep Cherokee Pioneer, V6, Auto., PS, PB, Air, AM-FM Stereo Cassette, Roof Rack and Much More. 8,600 Orig. Miles... **$14,995**	1978 Chevy K10, 4x4, Short Bed, Runs Great, V8, 4 Speed, PS, PB, Needs Paint Work - "As Is" Only... **$3,995**
1984 Chevy K10, 4x4, V8, Auto., PS, PB, Short Bed, Gold Beauty... **$10,995**	1979 GMC C-2500, 4x4, Pickup, V8, 4 Speed, Factory Air, PS, PB, AM-FM . **$7,495**	1985 Ford Bronco, 4x4, 2 Tone Paint, Auto., PS, PB, Air, AM-FM Stereo, Must See - Like New... **$13,495**	1979 Ford F250, 4x4, V8, 4 Speed, PS, PB, XL Pkg., One-Of-A-Kind, 34,000 Orig. Miles. . **MUST SEE!**
1985 Chevy K10 Blazer, V8, Auto., Overdrive, PS, PB, Power Windows & Locks, Tilt, Cruise, Silverado, All Black... **$15,295**	1978 Ford F250 Trailer Special, 8 Ft. Box, V8, Auto., PS, PB, Air, One-Of-A-Kind... **$6,495**	1979 Ford F250 Super Cab, V8, 4 Speed, Air, PS, PB, Trailer Ready... **$6,995**	1983 AMC Eagle Wagon, 4x4, Auto., Air, PS, PB, Stereo, Power Windows & Seats, and More... **$8,495**
1979 Chevy K10, 4x4, Auto., PS, PB, V8, Dual Tanks, Runs on LP or Reg. Gas. Need Driving Range? - This Is It!!!... **$6,995**	• 2x4's, 4x4's, Pickups, Vans, Suburbans, Broncos Blazers, Jeeps...From $995! • 6 Month, 6,000 Mile Limited Warranty On All* Vehicles - Reconditioned Inspected and Ready To Go! • Many More Not Listed - We May Have What You're Looking For - Call Our "800" Number * Unless Specified Otherwise		1979 Dodge Adventurer Window Van, 12 Pass., V8, Auto., PS, PB, Runs Fine - Sold "As Is" Only - 2 To Choose From... **$2,495**

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35 TRUCKS AND TRAILERS

1966 Ford C850 tandem flat bed, deck & drive train, in very good condition, cab needs work, $6,000. or Reasonable Offer. 301-834-6138

1968 Int. 220 single axle tractor, 549 V8, 8SP Roadranger. 33' Fruehauf flat trailer, sides, bows, tarp. After 6PM, 301-343-1684.

TRAILERS FOR SALE:
Six 40' flats; Fontane drop decks; 40-60' stretch flat; two 45x13'6" Strick vans; 42' Tempte insulated van, spread on air; 45' Gindy open top.
Keens,
717-626-5420.

Trailers
Monarch Ponderosa
Reduced 1986
Bumper 12' - $2000.00
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1975 IH model 2050, Cat diesel, air brakes, PS, 5+2, 33,000 GVW, 20' platform rollback dump, hauls anything
IH model 2604 Glider, 18,000 lb. FA, double frame, air seat, accepts most engine & trans. combinations.
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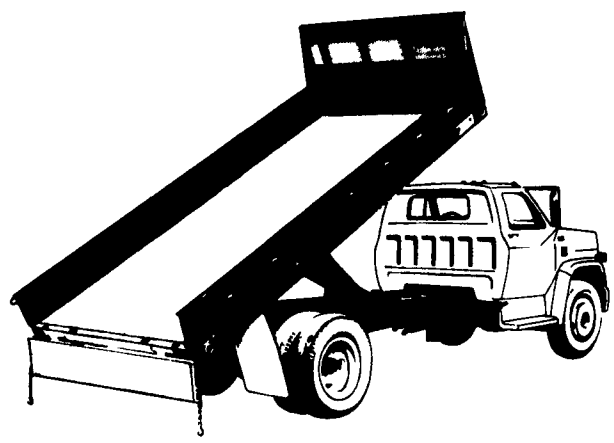

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$8,595.00

* Plus Tax & Tags Etc.

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9786A	1978 Ford F-250 V8, 2T, 4x4 w/Plow	$6,995	$4,895
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★ JVC TYPE 200 Watt 4 Way Each With Removable Black Cloth Face Covers and Woodgrain Cabinet Finish Cabinet Measures 26 In High x 15 In Wide x 10 In Deep Quick Connect Push Button Wire Connectors On Back PAIR $139
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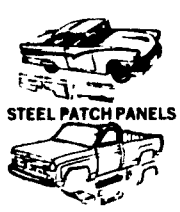

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115 Volt/220 Volt
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Starting At
$299

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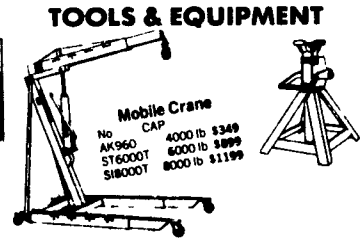

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4 In LIFT"
INCLUDES ALL HARDWARE & SHOCKS
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$369.00
ALL POPULAR MODELS AVAILABLE

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Our heavy duty Blaster model is sized to fit most larger jobs It s larger capacity allows you the flexibility to handle all types of jobs
THIS UNIT FEATURES 10 ft of sandblast hose • Holds 100 lbs of No 1 or No 2 silica sand or any dry sifted abrasives • 6 ceramic tips (2 ea 3/32 1/8 5/32) • Deluxe hood and funnel • 6 in wheels for easy mobility • Moisture separator pressure gauge and conventional gun valve • Working pressure 40 to 150 P S I using 7 cu ft or air per minute at 80 P S I
#100 $249 #70 $199 #40 $139
"All Models Are Pressure Type

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★ 5 HP 60 Gal Vert Tank Light Industrial Duty Single Stage U S Made
ONLY $599

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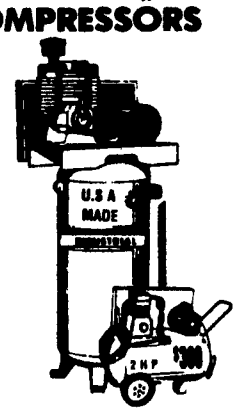

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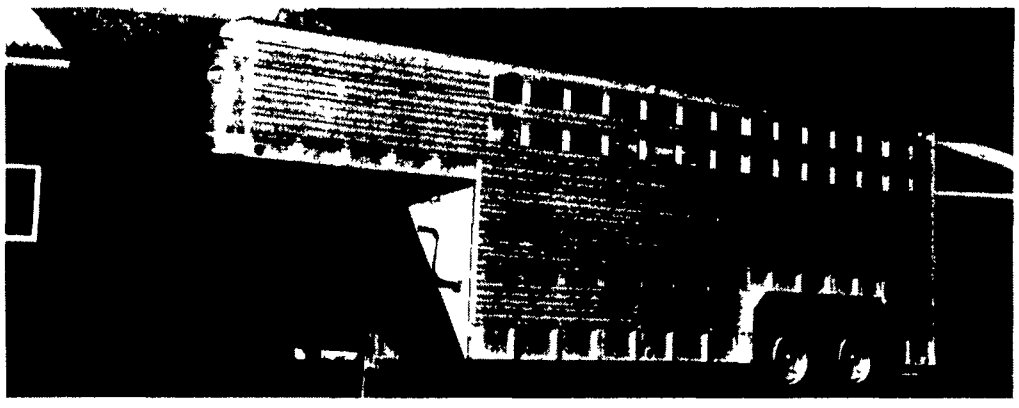
HOURS Mon Thurs 9 5 Fri 9 9 Sat 9 5 Sun 11 4

ALUMINUM GOOSENECK TRAILERS

EBY BLUE BALL, PA



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24'L x 8'W x 6'6"
Both w/Hyd. Brakes + 8,000 Lb. Axles

Now's the time to buy and take advantage of the 1986 Sales Tax deduction.

20' Gooseneck Trailer

A versatile, lightweight, Eby aluminum stock trailer is built to provide years of maintenance free service. An Eby trailer is custom built to fit your individual hauling needs - No mass production! We use only quality components and strong alloy aluminum to manufacture what may be the last trailer you'll ever buy

- LIGHTWEIGHT - Eby stock trailers are 25-35% lighter than comparable steel trailers. Less weight means better fuel mileage or increased payload.
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LOG SPLITTER: 8HP engine, 17 ton 2 stage hydraulic pump, highway tires, ball hitch, heavy duty unit. New $850. 215-346-7340.

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'70 Ford W1000, twin screw, 250 Cummins, 10 spd. on radials, good condition.

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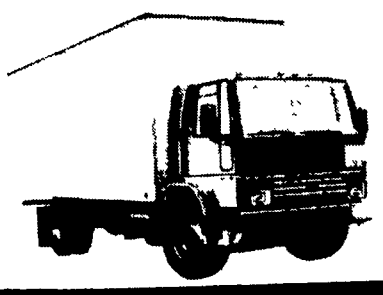

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$1,000 Sheehy Discount

On Any 4x4 Drive Vehicle Until December 31st.

(Not including Rangers)

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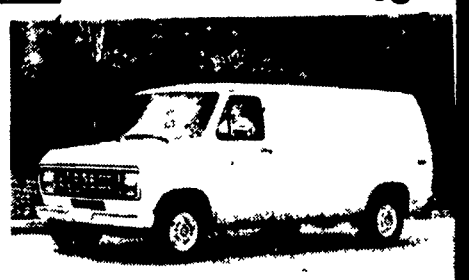
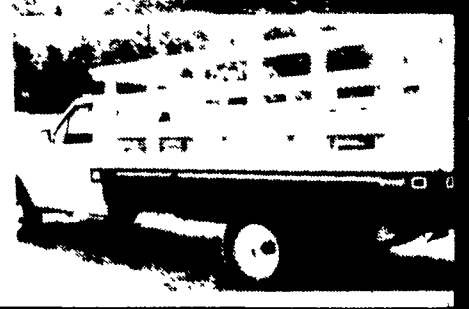
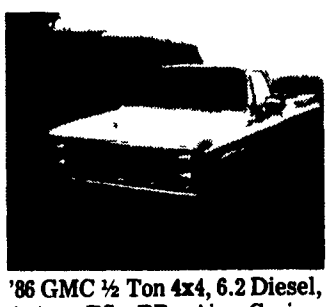




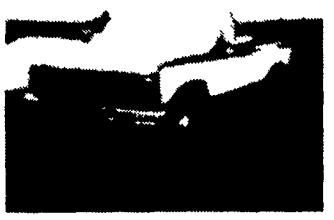
35 TRUCKS AND TRAILERS

USED TRUCKS



'86 GMC ½ Ton 4x4, 6.2 Diesel, Auto., PS, PB, Air, Cruise, Power Windows & Locks, Tilt Wheel, Dual Tanks, AM/FM Stereo, 4,000 Miles.

$13,900



'84 Ford F-250, Heavy Duty, 6.9 Diesel, PS, PB, AC, 4 Spd., AM/FM, Dual Tanks, XLT Package, 50,000 Miles.

$8,800

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(2) 78 Ford LN8000, Cab & Chassis, 3208 Dsl , 5 Spd , 2 Spd Axle, Low Miles

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(2) ALUMINUM DUMP BODIES
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33,000 GVW 18' Alum- Eby Body with Hog Vents, 11:00x20 radials. Clean **$9,800.00**
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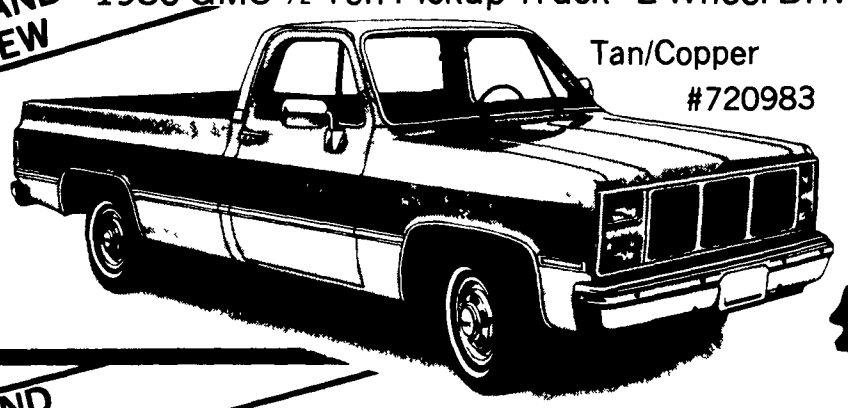
BRAND NEW 1986 GMC ½ Ton Pickup Truck - 2 Wheel Drive



Tan/Copper
#720983

- 4.3 Liter V-6 Engine
- 4 Speed Automatic Trans.
- Power Steering
- Power Brakes
- AM-FM Radio
- Rear Step Bumper
- Gauge Package
- All Season Radials

List Price $10,560

EBERSOLE SALE PRICE **$9,351**

BRAND NEW 1986 GMC S15 Jimmy 4 Wheel Drive SW

Blue #507769

List Price 13,426

- 2.5 Liter Fuel Injected Engine
- 5 Speed Manual Trans
- Air Conditioning
- AM-FM Stereo
- Gauge Pkg
- 20 Gal. Fuel Tank
- Power Steering
- All Season Tires

EBERSOLE SALE PRICE **$12,139**

OTHER 1986 GMC TRUCK INVENTORY AT DISCOUNTED PRICES

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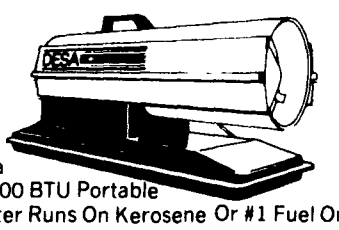
1986 GMC S15 Pickup Truck 4 Wheel Drive	Blue	512921	$12,962	$11,665
1986 GMC S15 Pickup Truck	Bronze	515289	$11,810	$10,609
1986 GMC S15 Pickup Truck 4 Wheel Drive	Blue	529349	$13,326	$11,986
1986 GMC ½ Ton Full Size Pickup	Gold	713618	$10,700	$ 9,461
1986 GMC ½ Ton Full Size Pickup	Copper/Tan	523936	$15,937	$13,982
1986 GMC ½ Ton Full Size Pickup	Tan/Copper	720983	$10,560	$ 9,351
1986 GMC ½ Ton Full Size Pickup	White	701631	$11,315	$ 9,999
1986 GMC ¾ Ton Full Size Pickup	Red	728707	$12,360	$10,984
1986 GMC 1 Ton Cab & Chassis	Blue	532638	$13,884	$12,254
1986 GMC Caballero Custom Pickup	Silver	800026	$12,495	$11,026
1986 GMC Safari Geneva Luxury Conversion	Maroon	501439	$17,994	$15,945
1986 GMC Full Size Gladiator Luxury Conversion	White/Gold	501271	$24,141	$19,439

Homelite 245 Chainsaw
w/18" Bar Case & Chain Cover Included!

Buy A New In Stock 1986 Or 1987 GMC Truck Now And Receive A Chain Saw Or Portable Heater **FREE**



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50,000 BTU Portable
Heater Runs On Kerosene Or #1 Fuel Oil!

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36 REAL ESTATE

(149) 26 Acre, an operating poultry & veal farm. Located in a very beautiful York County setting with a nice house & includes several buildings. Owner selling due to other interests. Call Joseph E. Reinecke, Realtor. 717-854-8912.

FOR RENT: Cayuga Co., NY, 314 acres, 200 tillable, level land, river frontage, 123 free stall barn w/parlor, 4 bdr. home, heifer barn, 5 acre lake, 3 silos, plus other buildings. Send Inquiries To. P.O. Box 52, East Norwich, NY 11732.

88 ACRE CUMBERLAND COUNTY DAIRY FARM· 100 free stalls w/ computerized feeding, double six parlor, three silos, manure storage. Three-car garage and restored stone house John B. Niesley, R/E, 717-243-7575 (before 8, after 5).

Brick house on 3½ acres, hot water heat, woodstove, large storage house & barn, ideal for horses, building lots. $99,000 negotiable. Call at 7 a.m. or 6 p.m., 215-267-6497

Canandaigua: Truck farm, 180 acres irrigation waterway, 1½ mile road frontage. Development potential. $1,100/acre. Call Century 21, The Lane Agency, 607-776-7682.

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FARM FOR SALE BY OWNER: 52 tie stall barn, large young stock section with heifers on ties, 2 good silos, pipeline milkers, 8 room main house. Also small 2nd house, gravelly loam soil, 138 acres, 115 tillable. Call 607-565-4960

FARM FOR SALE OR RENT. 142 acres double 4 Herringbone parlor, 80 free stalls, 20x70 silo, manure pit. Call for details. 717-359-5020 after 6.

FOR SALE: Profitable 13 acre veal farm. Barn holds 200 calves. 3BR ranch home. Located near Lewistown, PA. Asking $88,000. 717-899-6430.

65 Acre farm located between Myerstown and I-78. 62 tillable acres. Very nice farmhouse and outbuildings. Frontage on 2 paved roads, $200,000. Call Ken Cehris, RE/MAX Realtors, 215-670-2770.

For Rent: Dairy farm, 50 cow Show-Eze tie stall barn, tile mangers, excellent barn cleaner, other barns for young stock. 100+ acres level tillable ground, large pastures, 2 BR house w/garage. Available immediately. $1200/month NW Montgomery Co Prefer long lease 215-536-8620 (weekdays). 215-679-2065 or 215-679-6321 (nights & weekends).

For Sale: 280 acre dairy farm, 200 tillable. Southern Chester Co. 215-932-9021

FREE CATALOG! Describing numerous PA farms, camps, acreage, cottages, homes and businesses. Write Dept. LF, WEST REAL ESTATE AGENCY, INC., 5528 William Flynn Highway, Gibsonia, PA 15044. 412-443-1200, IN PA 1-800-922-1235.

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Potter Co., Ulysses, PA. 290+ Acre dairy farm, modern 100 cow & free stall parlor complex, 3 Harvestore silos, 2 heifer barns, manure storage, large house, productive land. Buildings worth asking price. Call for details. 814-848-7478.

Sale: 28 Acres, 5 room house, barn, pond. Snyder County, 717-539-8609.

WANTED TO RENT: Dairy farm with room for 30 to 40 cows in Lanc. or Chester Co. Have cows and equip. Write: Lancaster Farming, P.O. Box 366, R-100, Lititz, PA 17543.

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Wanted to rent or rent with option to buy: Hog and beef farm in Northern PA. 717-664-2122 after 5 p.m.

(138) Business, includes building & some equipment. Nice location, excellent income potential, inventory may be purchased. Call for details. Joseph E. Reinecke, is an equal opportunity Realtor. Phone 717-854-8912.

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150 Acre Lebanon Co. Dairy Farm. 70 comfort stalls, pipeline milker.
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ATTENTION
Dairy and Beef Farms Available in Butler and Mercer Counties
160 to 1000 acres
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55 ACRE DAIRY FARM NORTHERN PENNA.
* Pipeline, etc.
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* Good Producer
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(144) Lycoming County: Nice weekend retreat, hunting, fishing, swimming, hiking & etc. Priced to sell at $7500.00. Call Joseph E. Reinecke, Realtor. 717-854-8912.

110 Acre dairy farm, Bedford Co. Also, livestock & equipment available. 814-766-3547.

115 acre farm, Northern Berks Co., frame house, barn & outbuildings. For more information call: Horning Farm Agency, Inc. 215-286-5183

(130) (151) Clinton County: 10 Acres, suitable for mobile homes or cabin. Wooded, some level area. Call Joseph E. Reinecke, Realtor. 717-854-8912.

SHEETZ REAL ESTATE
RAY N. WILEY INC.
323 W. Main St.
Mount Joy, PA
CALL 653-1481
FARM LISTINGS NEEDED
Farm Salesman - Eugene Kreider

So. Northumberland Co. & Surrounding Counties-

No Money Down. 44 acres, 2 homes & barn, 20 tillable. $89,000. Call Peter.

No Down. 33 acres, 10 tillable, balance wooded against mountain $1,500/acre. Call Peter.

No Down. 100 acres, 75 tillable, prime land, $1,500/acre. call Peter.

No Down. 75 acres, well-maintained Christmas tree farm 45,000 trees 1-4 yrs. old, $1,500/acre. Call Peter.

181 Ac. Beef Farm, 150 tillable, lge. brick home completely remodeled. Built in 1851, $275,000. This farm can be bought in smaller acreage. Call Peter.

500 Ac., 365 tillable, Grain Farm, $579,000. Call Peter.

PETER B. **CORTELYOU**
Real Estate Herndon, PA 17830
Peter B. Cortelyou, Broker 717-758-9177
Bob Yarger, Sales Assoc., 717-648-6217
George Wolfgang, Sales Assoc., 717-648-3201

Southern Huntingdon Co. Farms

Germany Valley
2 adjoining farms, totaling 316 acres, approx ½ tillable, has old stone house, large limestone caverns over 200' long w/underground stream coming out of ground w/trout reproducing in it Would make great recreational development or farming $850 per acre

Germany Valley Dairy Farm
With 8 room & bath brick home, 136 acres w/approx 100 acres tillable. Limestone ground, 40x100' modern barn w/47 stanchions, 40x72' free stall barn, pipeline milk system, 1200 gal. bulk tank, 20x80' & 14x65' concrete silos w/unloaders, 40x80' & 20x60' implement building w/corn cribs along side, many other extras $195,000

Near Three Springs
Dairy farm, 175 acres w/150 acres tillable, large barn w/44 stanchions, 2 nice homes, stream & good spring on property. Many other extras $285,000

Near Shirleysburg
65 acre farm w/large frame 2 story house, 50x76 barn, 16x50 concrete silo w/unloader, 60' concrete feed bunk, 2 wire corn cribs, milkhouse, bulk tank, spring fed pond $79,000

Colonial Real Estate Agency
814-447-5511

WIMPLE ASSOCIATES
ON COVER OF HOARD'S DAIRYMAN: picturebook dairy farm near Cobleskill has 238 acres with 40 acres of woods and lots of flats Gravelly loam soils Excellent barn has 60 milking stalls on Surge pipeline plus 32 stalls for young stock, (2) 20x80 silos New 44x100 machine barn and shop Immaculate Colonial home remodeled in best of taste INCLUDES. 57 Registered Holsteins with 18,200 DHI, 45 Young stock, 4 tractors and very complete line of machinery This is one you & the wife will like! $425,000 also available bare WIMPLE ASSOCIATES, SLOANSVILLE, N Y 518-875-6355

312 ACRE FARM...
Offering one of the best farms on the market today with a realistic price. Approximately 312 acres at under $1,600/acre.

Farm is located in Middletown, DE, but adjacent to the Maryland state line.

Several years back it was operated by a dairyman who also loved to ride horses and train dogs in the wooded areas and along the creek. Tillable ground excellent Matapeake soil. Several small areas with good topography for alfalfa, hay or pasture. Development has come to the area and this option looks attractive for the future. $495,000.

KENT CREEK REAL ESTATE
301-648-5656

POSSIBILITIES UNLIMITED with this unique, residential/commercial property. Circa 1791 restored stone residence has 8 rooms, 2 fireplaces. Horse stable and riding rink. Antique dealers note: barn has been converted to auction house with showroom, auction room, and storage. 28 acres with 1400 feet of frontage on U.S. Route 11 North of Shippensburg. $298,000.

LIMESTONE FARM - 95 acres, more or less. 6 room house in good repair. 2 floor barn, wagon shed, machinery shed, concrete silo. About 75 tillable acres. North of Shippensburg. $225,000.

LIMESTONE FARM - 82.875 acres, more or less. 8 room remodeled farm house. Barn. Private setting. $153,900. House can be purchased with 9.4 acres for $89,900.

Hale REAL ESTATE
14 West King Street
Shippensburg, PA
717-532-2814

LONG TERM POULTRY BREEDER
Contract yields $25,000 per year or more and produce income exceeds $20,000. All buildings are in very good condition. $220,000. Call 717-464-4700.

FEED/FLOUR MILL
18 acres along State Route 624. High profit feeds and top of the line machinery. Plenty of bulk storage & bagging equipment, trucks, and existing market. Currently operating below capacity. Good existing accounts with opportunity for growth. Convenient to Maryland & Pennsylvania. Call 717-464-4700.

155 ACRES
Dairy farm with Southern exposure situated in a lively valley with excellent buildings in the center with a large pond and stream covering 2 acres of land. Good outbuildings. 3 bedrooms, 2 story farmhouse with 2600 sq. ft. of living area, for $450,000. A must to see! Call (717) 786-2131.

YORK COUNTY
128 Acre farm with 110 tillable acres. 2½ story, 4 bedroom home with 2,000 sq ft of living space, spring, pond Bank barn and implement shed with truck scales all in very good condition. Super setting at end of long paved lane. One mile road frontage. $255,000. Call (717) 786-2131

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1 to 2 Acre
WOODED LOT
In No. Lancaster County. Please Contact After 6 PM
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For Rent
164 Acre Limestone Dairy Farm. Large stone dwelling, $1,500 per month.
Carlisle, PA
Call
717-243-6195
9 AM - 5 PM

WANTED:
Modern Broiler Farm.
Lancaster/Lebanon or surrounding counties.
717-627-2035

LEHIGH COUNTY
Historic Gentleman's Farm
Beautiful 85 acre farm, ideal for horses; stone colonial farmhouse, ex. large bank barn, house and buildings are set back from main road. 16 acres fenced pasture, with stream, 2 ponds, picturesque location. This farm was the site of the 1756 famous Indian raid on the George Seislauz family. Price: $245,000.

Free Brochure w/Photos Available Upon Request

new pennsylvania realty, inc.
Gary Coles, Farm Broker & Appraiser
717-386-5000 or 215-398-2559
Box 123, Route One New Ringgold, PA 17960

SALE OF FARM BY UNITED STATES GOVERNMENT: 117 acre farm located in Southern York County, Pennsylvania only 3.1 miles west of Interstate 83 along PA route 216 and approximately 1 5 miles northeast of Glen Rock This farm is currently set up for use as a dairy farm, but could easily be converted to use for beef, sheep, horses, or just a rural residence

The farm contains ± 80 acres of good, rolling cropland, ± 25 acres of pastureland, ± 5 acres of woodland with the remaining ± 7 acres used for the farmstead and wildlife areas There are 2 houses, each 2 stories, and in good condition; a 64 cow freestall barn, with bunk feeder, concrete barnyard, and attached DeLaval 6 stall milking parlor, 2 poured concrete silos (16'x60' and 20'x60') with unloaders, and an 800 gallon ESCO bulk tank The entire dairy complex was built in 1971 There is a small manure lagoon next to the barn This property was formerly owned by H Laverne and Judith Hess

An open house will be held to show the property on Wednesday, January 7, 1987 from 10 00 A M to 1 00 P M Snow date will be Monday, January 12, 1987 from 10 00 A M to 12 00 P M

The farm property contains highly erodible land and will be sold subject to the requirement that the successful bidder must contact the Soil Conservation Service (S C S) so that a conservation plan for the highly erodible land can be developed PRIOR to the completion of the sale

BID DEPOSIT: Bid must be accomplished by certified check, cashier's check, postal money order, bank money order or bank draft, payable to Farmers Home Administration (FmHA), for at least ten percent (10%) of the total bid Preference will be given to a cash offer (where FmHA does not provide the financing)

RATES AND TERMS: A minimum of ten percent (10%) down payment is required with terms on the remaining credit not to exceed 25 years or a period for which the property will serve as adequate security, whichever is less The interest rate will be determined at the time of approval of the credit requested based upon Farmer Program ineligible interest rates published in FmHA instruction At the current time, the rate is 11 6250% Any changes before the time of approval will be available upon request at the FmHA office Rates and terms available to the bidder considered eligible for FmHA regular loan programs may vary

TERMS OF SALE: Sealed bids are invited and will be accepted until 4 30 P M EDST, January 13, 1987 at the Farmers Home Administration office, 124 Pleasant Acres Road, York, PA, and will be opened publicly at 10 00 A M EDST, January 14, 1987, at the York office The Government reserves the right to reject any or all bids This farm will be sold without regard to race, color religion, sex, age, national origin or marital status This property is being sold subject to the Environmental Regulations of The USDA

For further information and bid forms, please contact the Farmers Home Administration, 124 Pleasant Acres Road, York, PA, telephone 717-757-7635

POULTRY COMPLEX
New York State
400,000 layer capacity, 150,000 growing capacity, in-line grading, feed mill w/truck scales, 400+ acres, Snavely buildings, fully equipped.

Write:
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Lititz, PA 17543

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(717) 274-3622 - office - (215) 378-1122

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Best Wishes For A Happy And Healthy 1987 Along With Our Thanks!

SOLD
11 Acre Lancaster County Farm.

PEACEFUL NEW YEAR

SOMERSET CO
113 Acre Amish dairy farm Could be converted to hog or beef 85 acres tillable Good state of cultivation 2 seams of stripable coal Would make a good investment If interested call Ernest Holsopple at 814 479 7682

TIOGA CO
Priced to please is this 94 acre dairy farm located in Tioga Co The farm features a 56 tie stall barn lose housing for heifers machinery shed small chicken coop small pig shed and a 4 bedroom house Call Barbara Lamont at 717 297 2619 for more details

CHESTER CO
Bodacious 14 acre modern dairy farm Total cow comfort pipeline on 65 ties with free stall barn Two Harvestores 2 stave silos new bulk tank with heat reclaimer Beautiful secluded 4 bedroom home with southern exposure Lots of road frontage Call Dan Messner at 215 286 2971 or Sandy Leaman at 717 569 4264

UNION CO
69 Acre general or gentlemens farm with small barn 2 car garage 4 bedroom frame 2 story house bordering Penns Creek Call Fred Clark at 717 523 7201

Modern dairy farm w 60 comfort stalls box stalls 2 modern implement sheds 840 gal bulk milk tank and pipeline milking system This fine farm has 237 acres w 180 acres of excellent tillable land A large 7 room brick house is in excellent shape Call Sandy Leaman for an appointment to see

White Deer Valley is the home of this exc dairy farm with 130 ac tillable 52 stanchions bunk feeder ex limestone soil hay barn and brick farmhouse with 2 baths and 5 bedrooms Call Fred Clark (717) 523 7201

JUNIATA CO
Beef farm ideal for an investor since the neighbor has been farming the land for many years and wishes to continue The modern farmhouse is in exc condition with large rooms A buy at $199 900 Call Sandy Leaman at 569 4264

22 acres at Licking Creek with barn that could easily be turned back to a dairy This farm presently has room for 350 hogs Call Dick Crawford at 717 734 3673

PERRY CO
99 acres of nice woodland price reduced Ideal for hunting camp near state game lands Stream and springs on property Call Ken Young at 717 426 1098

LEBANON CO
Horse farm or just nice country living for the executive The modern farm house has been renovated and modernized and has a beautiful family room and in ground pool Call Ken Young at 717 426 1098

COLUMBIA CO
70 Acre farrow to finish hog operation Totally equipped and in good condition Can be bought a going operation or bare farm Could be a good money maker Nice two story farm home Reasonable offers considered Call Pete Zeisloft at 717 437 2305

164 acre Beef farm but could be renovated for dairy 142 acres tillable large contoured fields very good producing soil A very nice father son operation There is additional land nearby that can be rented also The buildings are in good condition but need up dating This farm has great potential Call Pete Zeisloft at 717 437 2305

SNYDER CO
Near Selinsgrove is a very modern dairy farm with lots of potential to expand to a much larger size There are presently 232 acres 5 silos 2 complete sets of buildings in excellent condition The farm sits just west of Selinsgrove and has development potential These fine farms could easily be split and sold as 2 farms and have 100 acres on one and 132 on the other and both be dairy Call Sandy Leaman for both of these fine listings at 717 569 4264

DAUPHIN CO
Here s a rare opportunity to buy a fully equipped 137 acre dairy farm with a high producing herd included Two year old dairy barn and six year old house in excellent condition could make this your dairy showplace Don t miss seeing this property Buy it your way fully equipped or bare We will even sell you just the new barn outbuildings and 132 acres If interested call Pat Kauffman at 717 896 8958

BRADFORD CO
A showplace is the description of this modern dairy farm in Bradford Co The farm features a 60 tie stall barn calf hutches implement shed garage A beautiful Victorian home and 287 acres of flat fertile land If interested call Barbara Lamont at 717 297 2619

"We Serve Your Farm Needs"

Call

BERKS CHESTER AND MONTGOMERY COUNTIES CALL DAN MESSNER AT 215 286 2971

YORK ADAMS SOUTHERN CUMBERLAND AND FRANKLIN COUNTIES CALL JERRY K STERN AT 717 246-1471

SOMERSET CAMBRIA BLAIR HUNTINGDON AND FULTON COUNTIES CALL ERNEST HOLSOPPLE AT 814 479 7682

UNION AND MONTOUR COUNTIES CALL FRED CLARK AT 717 523 7201

COLUMBIA AND NORTHUMBERLAND COUNTIES CALL PAUL PETE ZEISLOFT AT 717 437 2305

LANCASTER COUNTY CALL KEN YOUNG 717 426 1098 OR SANDY LEAMAN 717 569 4264

DAUPHIN COUNTY CALL PAT KAUFFMAN 717 896 8958

BRADFORD COUNTY AND LYCOMING COUNTY CALL BARBARA LAMONT 717 297 2619

JUNIATA PERRY FRANKLIN COUNTIES CALL RICHARD B CRAWFORD 717 734 3673

CENTRAL NEW YORK
400 Acre dairy farm with large free stall barn, silos, outbuildings, shop, milking facilities plus feed lot. 4 Modern houses, rental units, in-ground swimming pool, ponds, streams, gravel bed & woods. Suitable for development.

315-673-2128, Owner

FARM FOR SALE
124 Acres in Hopewell Twp., Cumberland Co. Includes 40 Tie Stalls, Calf & Heifer Barn Three Silos And Nice Home. Call For Farm Inspection:
(717) 423-5490
Call Omar For More Information: (717) 354-6066 - 7 AM to 5 PM

CENTRAL PA FARM LISTINGS

BLAIR COUNTY

GENERAL FARM - 175 acres (140 tillable, 33 woodland, 2 site) of relatively productive ground 2½ story house, bank barn Williamsburg area $139,500

DAIRY FARM - 188 acres (158 tillable, 18 pasture, 10 woodland, 2 site), sound 2 story house, bank barn with free-stall attachment, 16' x 60' and 18' x 60' silos, bulk tank, pond, small stream, nice laying productive limestone ground Located in Sinking Valley $275,000

GRAIN FARM - 215 acres (160 tillable, 12 pasture, 41 woodland, 2 site), excellent 2½ story house bank barn, 5 steel grain bins (39,000 bushel total storage capacity), wet holding bin, automatic batch grain dryer, tenant house, pond Large grain base with considerable good leased land available Located in Sinking Valley $347,500

GENERAL FARM - 245 acres (171 tillable, 8 pasture, 66 woodland and site area), sound 2 story brick house, tenant house, 2-story bank barn (all steel and cement), productive land all continguous with buildings Tyrone area $277,500

CLINTON COUNTY

GENTLEMAN FARM - Approximately 47 acres (23 tillable, 22 pasture and woodland, 2 site acres) with a very well-built 1,800-square-foot ranch home with 2-car garage, tenant house, and bank barn Salona area $119,500

FARM - 117 acres (95 tillable, 20 woodland, 2 site), substantial road frontage, 2½ story dwelling, bank barn several outbuildings This farm is included in a dairy herd buy out program (no dairy animals permitted on farm until 1991) $147,000

CENTRE COUNTY

(NEW LISTING) LIMITED ACREAGE DAIRY FARM - 43 7 acres (17 tillable, balance pasture), 2 story stone and frame house, modern 36'x172' dairy barn with 60 tie stalls, milk house, pipeline, 800-gallon bulk tank 20'x72' Star sealed silo with bottom unloader, 20'x70' silo with unloader Near Zion $94,500

FARMETTE - 47 acres (10 pasture and site area), pond, small orchard, classic 2½-story frame house stone ice house, 2 barns, several outbuildings, beautiful setting Centre Hall $134,500

HORSE FARM - 18 acres, 3,000 square foot contemporary ranch home built in 1979, in ground swimming pool excellent pole-construction 42' x 72' horse barn with 11 box stalls and tack room Near Tusseyville $180,000

GENTLEMAN FARM - 85 acres (28 tillable, 55 woodland, 3 site and orchard), remodeled 2½ story home with 4 bedrooms, a 40'x54' barn, small stream, private secluded setting Additional land available 10 miles from Bellefonte near Howard $140,000

DAIRY FARM - 122 acres (97 tillable, 22 pasture, 3 site and roads), mostly Hagerstown ground, sound 2½ story house, bank barn with 34 tie stalls, 96 stall free stall barn, pipeline milker, 1,250 gallon bulk tank 20'x60' and 14'x40' silos with unloaders, 20'x40' Harvestore (under lease) Priced at $182 500 Also available with an additional 95-acres for a total of 217 acres (130 tillable, 47 pasture, 36 woodland 4 site and roads) and a second barn, 3 additional implement sheds and 1 silo for a total price of $247,500 Near Stormstown

GENERAL FARM - 215 acres (20 open, balance wooded), 2-story home, several pole sheds (one with horse stalls), hay shed, and several other outbuildings Secluded setting easy access good hunting Port Matilda $135,000

FARMETTE - 17 acres (11 tillable, 5 pasture, 1 site), very nice well-maintained 2 bedroom brick ranch home 36'x52' bank barn substantial frontage on Sinking Creek Easy access to State College Tusseyville area $89 500

HUNTINGDON COUNTY

(NEW LISTING) FARMETTE - 6½ acres with a well maintained ranch home excellent detached 2 car garage 20'x30' horse barn in good condition Approximately ¼ of the land is wooded McConnelstown area $54,900

FARM - 119 acres (88 tillable limestone ground, 18 pasture, balance woodland and site area), beautiful stone dwelling (1822), barn, outbuildings, stone spring house, and stream flowing through the meadow Warriors Mark (21 miles from State College) $162,500

DAIRY FARM - 338 acres (202 tillable, 56 pasture and lowland 78 woodland) sound 2 story brick house bank barn with 37 tie stalls, free stall barn with 51 stalls and bunk feeder 20'x60' and 20'x50' silos 15 x40 Grain-o-matic silo for high moisture corn, farm shop, heifer barn, 2 implement sheds, stream frontage pipeline and bulk tank, silo unloaders, gutter cleaner Very well maintained $375,000 OWNER FINANCING

BEEF OR SHEEP FARM - 306 acres (approximately 140 tillable, 117 pasture, 47 woodland 2 site), 1 story brick home, 2 barns, garage, 2 silos, 2 large implement sheds, excellent water supply, 3 ponds $259,500 Additional land available

RIVER BOTTOM LAND - 55 acres (45 6 tillable), frontage on old Route 22, substantial Juniata River frontage Ideal for truck crops and roadside marketing OWNER FINANCING $99 500

LYCOMING COUNTY

GENTLEMAN FARM OR LIMITED ACREAGE DAIRY FARM - 36 acres (10 tillable balance pasture, woodland and site) very nice 2½-story home, 2 story bank barn, 36'x140' dairy barn with 52 tie stalls, 20'x60' Rib stone silo with unloader 2 very good pole buildings Additional land available Near Williamsport $107 500

COUNTRY ESTATE - 160 acres (100 tillable), plenty of road frontage beautiful 12 room brick home built in the 1800's, large barn, several outbuildings Located a few miles west of Muncy $295 000

LIVESTOCK OR DAIRY FARM - Near Lairdsville, 270 acres (165 level, very highly productive tillable) Good 2 story house bank barn, 60 x120' cattle barn suitable for freestalls 20 x60 Harvestore 2 streams **Owner financing.** $325 000

RIVER BOTTOM FARM - 93 acres (71 tillable), excellent stone and frame house, sound implement shed workshop building, large bank barn with 25 stanchions, 3 500 bushel grain bin substantial Susquehanna River frontage Class I land 10% **OWNER FINANCING** Muncy area $250 000

RIVER BOTTOM LAND - 41 acres (38 tillable) with road frontage on Pa Route 405 This is a portion of the farm listed above 10% OWNER FINANCING $82,500

NORTHUMBERLAND COUNTY

FARMETTE OR LIMITED ACREAGE DAIRY FARM - 27 9 acres (19 tillable balance pasture) sound 2 story home, good 1½ story Cape Cod home, bank barn with 35 stalls, implement shed Near Milton $99 500 Also available as a 22 acre unit with 1¼ story house for $65,000

MANY LAND PARCELS AND FARMETTES AVAILABLE

CALL OR WRITE FOR THE FREE LIST

FARM AND LAND DEPARTMENT

Fred Strouse (814) 364-1705
(Bedford) Richard D. Reed (814) 839-4271
Don Myers (814) 422-8111

(Huntingdon) Rachel Port (814) 669-4194
Mel Rockey (814) 466-6688

Frederick J. Kissinger, Realtor
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53 Acre Farm
For Sale By Owner

Large house, 2 kitchens, 5 bedrooms, 2 baths, basement. Chicken house for 10,000 layers in operation, 40x70 barn, 32x48 shop. Nears Orrstown, Franklin Co., PA.

717-530-1490
or 717-532-2731

SPECIAL SELECTION NY FARMS AND COUNTRY PROPERTIES

APPROXIMATELY 135 ACRES: River bed flats w/barn Historical Mohawk Valley. $140,000

PICTURESQUE COUNTRY SETTING: 3½ acres Ranch style home w/unusual floor plan w/lots of character Wood-Mode kitchen w/breakfast area, dining room overlooking sunken living room w/cathedral ceiling, fireplace, 3 bedrooms, many closets, 1½ baths, 2 stall garage w/7 rooms (Ideal income property - previously vet clinic) Horse barn, more plusses, excellent condition Only $77,000.

CHRISTMAS TREE PLANTATION: Montgomery County 98 acres, breathtaking view. Call for details

150 ACRE BARE FARM located in historic Mohawk Valley Horse, barns, shed, etc Ideal gentlemen's horse farm or working farm $110,000

VALLEY'S FINEST If it's a farm you want, try this one for size 427 acres- 300 tillable, 127 wooded 34'x274' cow barn, 2 concrete silos, heifer barn, 2 stall machinery shed, 750 gal bulk tank with pipeline, 4 ponds on property, 2 family home features aluminum siding, modern kitchen & baths & 2 stall garage Call for details today! Asking $235,000

PICTURE PERFECT: 268 Acre dairy farm in Herkimer County Scenic view, 44'x170' barn with milking parlor. 2 story heifer barn, 42'x102' machinery building & attached garage/workshop 3 cement silos, 1000 gal. bulk tank. Lovely 3 bedroom home w/inground pool Owner on Dairy Buyout Program. $385,000.

WELL KEPT 141 ACRE BARE DAIRY FARM 36'x120' stanchion barn (59 head capacity) 3 cement silos, bulk tank & barn cleaner Remodeled 4 bedroom home plus 3 stall garage $195,000.

OVERLOOKING VALLEY 126 acres, 3-6 bedroom house, barn 44 tie stalls, 20 stanchions. Beautiful view. $92,000.

GENTLEMAN'S FARM 142 level, rolling acres, 3-4 bedroom house, very good condition Barn, horse barn, 30x60 laminated rafter building, garage, machine shed, smoke house, pond on property $180,000

SUPER SECLUSION 230 acres 4 bedroom home in private setting-bare farm, barn, 62 wood stanchions, 550 gal bulk tank, 1½" pipeline, milks 62 (DeLaval) horse barn, machinery shed, saw mill - owner financing $195,000

SHOWPLACE DAIRY 233 acres with 5 bedroom Colonial home, inground pool, excellent condition 2 story barn (holds 85 head) 40 V-tie stanchions, 2 silos, unloader (Van Dale) - DeLaval 600 gal bulk tank & 2" pipeline - can milk 52 Herd consists of approx 100 head 50-55 milkers, balance heifers, calves & open Machinery goes with sale All in excellent condition Call for more details $290,000

LUCRATIVE COUNTRY CONVENIENCE STORE & LUXURY SPLIT LEVEL ON 10 ACRES: This can be a gold mine in a beautiful spot in the Mohawk Valley for the right buyer Store is on heavy traffic highway, near large population Call for details

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JUST LISTED!

Two of the finest New York Valley farms that we have seen in a long time.

#1 - Has a fantastic location, flat, well-drained gravelly loam soil, big fields, large home in excellent condition, 90 cow conventional barn, 2" pipeline, 1,000 gal. bulk tank, 3 concrete silos, heifer barn, machinery building. Priced right.

#2 - 250 acre, 210 tillable, fantastic view, fields are large and well drained, beautiful home in excellent condition, 80 cow conventional barn, big tie stalls, new free stall for young cattle, new machinery building, very good second home.

These farms are top show place farms - The Very Best.

Posson Realty
Norwich, NY
607-334-9727

UNION CO. $370 PER ACRE
"Adventure In Your Own Mountain"

189 Ac., frontage on Penns Creek. Opportunity for several home sites. Beautiful mountain land which borders Bald Eagle State Game Forest. Turkey & Deer hunting.

JUNIATA CO.

82 Ac. over ½ wooded, fertile fields, stream, deer hunting, frontage on Rt. 35. Priced in the sixties.

BERKS CO.

12½ acre farmette, brick 3BR home, approx. 5 acres tillable, balance pasture and woods, small barn, rural country living, minutes to Rt. 422. Priced to sell. $78,900.

WEST LANCASTER CO.

Poultry Farm- 3 Poultry houses with auto. feeder & waterer, currently set up as layer operation, 108,000 bird capacity, all located on 20 acres plus. Zoned agri. Immediate possession, good return on investment. Easy financing. $298,000.

Layer House Complex, over 100,000 bird capacity, auto. feeders, zoned agric., on 20 acres, easy access off Rt. 441. Financing available. $298,000.

41 Acres of open ground, zoned agric., sub-divided partially, tremendous potential to investor, 1 acre lots and a couple 10 acre lots included. $165,000.

SNYDER CO.

40 Ac., 12 fertile acres, remainder woods, spring, old log house, located in a quiet scenic back country setting. 1½ hours from Lancaster. Fifties.

KINGSWAY REALTY
REALTORS
1770 Oregon Pike
Lancaster
Phone 717-569-8701
or Ephrata 717-733-3344
REALTOR

FOR LEASE - PARCEL #3, LAURELTON FARM

132 acre dairy farm located at Laurelton, Union County. Three barns, house and outbuildings included. Two-year lease. For bid package, write Fred Wertz, PA Department of Agriculture, 2301 North Cameron Street, Harrisburg, PA 17110 or call 717-783-3167.

new pennsylvania realty, inc.
717-386-5000

BERKS COUNTY- 140 ACRES (m/l)
With 104 Free Stalls, Milking Barn, Pipeline, 3 Large Silos, 2 Equipment Sheds. This Is Two Adjoining Farms.

BERKS DAIRY - 106 ACRES (m/l)
With 48 Stalls, Pipeline, Bulk Tank, Silos and So Forth. This Is A Good Farm In A Nice Farm Community.

BERKS - HISTORIC FARM
112 Acres (m/l) With Stucco Over Stone House In Excellent Condition. Lots Of Road Frontage. In Same Family For 7 Generations!

CALL CARL JOHNSON - 215-367-6160

PENNA FARMS

FRANKLIN CO.

55 Acre Limestone Soil, milking barn, pipeline milkers, bulk tank, lounge area, hay & implement storage Additional acreage available No dwelling

Limestone Soil 5 acres to 175 acres You decide Double four Herringbone parlor, 4 in line milking units, bulk tank, 40x80 lagoon, 50x80 bank barn, 96 free stall pole barn, 2 family dwelling (stone and brick), each 3 BR - Never failing spring

107 Acre General, 86 acres tillable, 10 pasture, 8 wooded, large bank barn, wagon shed with attached garage, 3 BR brick dwelling, 2 streams

CUMBERLAND CO.

NEW LISTING

115 Acre modern dairy farm, complete new dairy facilities, 48 tie stalls, pipeline milkers (automatic takeoff), 1,000 gal tank, 20x70 silo w/unloader, bank barn, 40x70 implement building w/3 automatic door openers, modern 4BR dwelling LIMESTONE SOIL

75 acre dairy, 26 tie stalls, bulk tnak, stable cleaner, silos w/unloaders, implement storage, new furnace, 4 bdr dwelling, farm pond, beautiful view of the mountain

95 Acre General Farm, 2 story Colonial brick and aluminum dwelling w/brick fireplace and car port Nestled among the trees Secluded from neighbors but adjacent to mountain for the individual wishing to have horses for riding Fertile sandstone soil, 20 acres wooded w/timber, large horse barn w/16 stalls and other outbuildings

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George Ebener 249-4979
Wilbert Diehl 776-7707
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FOR SALE BY OWNER

167 acre northeast Pennsylvania modern dairy farm. Mostly tillable w/2 houses, nearly new free stall & dry cow facility, 4 silos w/unloaders, automatic feeding, double 6 totally automated parlor, 1500 gal. bulk tank, large new machine shed, 150 head of cattle, some machinery included.

717-222-4432

FOR SALE

Steuben County, NY 204 acre dairy farm, 40 tie stalls, pipeline, tank/washer, 2 concrete silos/unloaders, (1) bunker silo, (2) machine sheds, 5 bedroom home. Complete w/all cattle & excellent line of equipment. $225,000.

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Evenings
After 7 p.m.

FARMS FOR SALE

Near Oxford, PA
Chester County

136 Acre dairy farm, over 100 acres tillable Amish neighbors. Large farm house extra nice, large dairy barn Make 2 farms. SOLD

63 Acre dairy farm, 50 tillable, 30 cow stanchions Amish nearby 8 room house, dairy barn

180 acre dairy farm, 150 tillable

York Co.
Near Dover, PA

160 Acre general farm, house, barn, outbuildings SOLD Nice level long fields, large amount of road frontage

Lancaster Co., Quarryville Area

73 Acres 44 acres tillable, meadow, stream, no buildings

Lebanon Co.

94 Acre general farm, 65 tillable, meadow, stream, less than $2,500 an acre

House For Sale In Lancaster
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• 70 Acre farm features 50,000 bird automated high rise laying house with packing room, large steer barn, corn cribs, lovely 2½ story stone home with kitchen, dining room, living room, family room, and 4 bedrooms, 2 baths $550,000

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BRADFORD COUNTY

• 5 acre Dairy Farm Modern 74 stall dairy barn Bulk tank, steel pipe line, barn cleaner, 20x32 Harvestore silo and 20x60 concrete silo Manure storage Modern Ranch home with 4BR's, Kit, DR, LR, Bath and Den $145,000 Also second house available

• 500 Acre Dairy Farm, 450 tillable, features 184 freestall dairy barn, 125 stall heifer barn, double-8 milking parlor, two 1,000 gal bulk tanks, two 100' bunk feeders, three 24x60 and one 20x60 concrete silos w/unloaders, lovely 4 BR home w/kitchen, LR, FR, office, den, laundry & bath 2nd home 3 BRS & bath Spring fed pond & much more Call for details, $650,000 Cattle & machinery available

• 188 Acre, 130 T Dairy farm with large double 13 room house, 3 car garage, 86 stall barn, 1,000 gal tank, pipeline milker, barn cleaner, large machinery shed, $165,000 Cattle & machinery available under separate contract

SUSQUEHANNA COUNTY

• 565 Acre dairy farm Features 145 stall barn, heifer barn, large machinery shed, 2½ story house with kitchen, dining room, living room, office, family room, laundry, 3 bedrooms, 1½ baths 2nd House-Modern 3 bedroom with kitchen, dining room, living room and bath Apartment with modern kitchen, living room, dining room, 3 bedrooms 1½ baths 3rd House New 2 bedroom, kitchen, living room and bath $750,000

POTTER COUNTY

• 116 Acre, hunting ground 30 acres open, balance wooded, borders 2 roads & river Possible Owner financing $50,000

LEHIGH COUNTY

• 100 Acre dairy farm, 80 tillable, features 90 cow free stall barn w/freshening area and bulk feeder, 36 stall milking barn w/pipeline milker, bulk tank, barn cleaner Lovely 2½ story home, large kitchen, DR, LR, laundry, 5 BR, 2 baths, full attic & basement, (2) 20x60 Harvestore silos, 20x80 concrete w/unloader Stream & pasture, level land, $300,000

TIOGA COUNTY

• 800 Acre Dairy Farm 400 T 2 very good, lovely homes 83 stall dairy, barn Steel pipe line, 1000 gal tank and barn cleaner (2) 16x60 and (1) 14x40 silos with unloaders Large heifer barn $365,000 Full line of machinery and cattle available

• 122 Acre, 100 T dairy farm, 47 tie stalls with 24 free stalls, 800 gallon tank, barn cleaner, pipeline milker, 20x60 concrete silo with unloader, good house with kitchen, dining room, 2 living rooms, 3 bedrooms and bath $110,000

• 126 Acre farm, 70 T, 45 pasture, balance wood land Land only Near above farm $65 000

SCHUYLKILL COUNTY

• 234 acre woodland tract, joins state gamelands, borders Rt 81 & secondary road, Pine Grove area, good hunting area, call for details, $175,000

Grandkid Invasion

YORK — When grandchildren come for a visit, you have opportunities for good times, but also for becoming exhausted! Take some precautions.

Establish a workable schedule says A. Joan Lamberson, Penn State Extension home economist. Everyone has habits of sleeping, eating, resting and other regular activities. Look at your schedule and your grandchild's schedule. Plan for only a few minor adjustments for the visit. Children feel secure in a routine if they know why you think it is important.

Provide some private spaces. We all need a place to call our own. So, provide your grandchildren with some space to keep toys, the favorite blanket, pillow and stuffed animals. Then explain which areas are yours.

Plan simple activities. Children enjoy simple things that become special because they are shared with you.

And most of all, have fun!

MAILBOX MARKET FOR SALE

Double pony harness w/new collars, $250.; 19" patent leather collar w/brass hames and traces, $135. Lebanon. 717-272-6819

Ford 841 diesel, 12 spd., excellent, $2,250. B.O.; 74 Chevy Luv pu, 78,000 miles, good, $750. Snyder Co. 717-658-3125

3 pt. circle saw, $95.; NI rake & tedder on steel, horse tongue, field ready, $250. Can Truck. York Co. 717-235-2032

JD 37 snow thrower, fits 110, 112 garden tractors, adaptable to 200 series, excellent condition. Perry. 717-582-4504

Graco airless spray; President pump, mod. 207-707 2 guns, 200' fluid hose; Siphon stand, e. cart. Camden Co. 609-228-2695

Received truck load of Riteway heaters, wood and coal thermostat controlled, 73,000 BTU. Also parts for Riteway heaters. Stoltzfus Harness Shop, RD4, Box 13, Honey Brook, Pa. 19344. 1st farm out of town along Broad St.

Ford Industrial 4000 back hoe and front bucket, good condition; 66 dump truck C-60, new engine, excellent condition. Bucks. 215-788-1158

Alfalfa Hay, PA test 17.3 protein, 85 crop, $1.00 bale, 2,500 bales. Bucks. 215-862-2506

QH 9 month Colt w/impressive breeding, quiet. Make Offer. 215-286-5059 after 5 p.m. Leave Message.

Tractor chains, 15.5x38, 16.9x34, 18.4x30, show no wear, $275., pair; 900.20 truck chain, no wear, $95. Adams Co. 717-637-1232

1944 JD A tractor, needs paint, $550. Cash; Farmall 856 pedal tractor w/IH umbrella, $300. or Cash Offer. York Co. 717-938-6322

Pix-all green bean harvester w/Ford 4000 diesel, 8 spd., $3,000. Lebanon Co. 717-867-4896

Steel rear wheels for Ferguson 65 at Hornings Machine Shop, 177 S. Farmersville Rd., Leola, Pa. 17540.

32' NH elevator w/1 h.p. motor and corn chute, $350. or Best Offer. Berks Co. 215-683-6321

Reg. Montadale Ewe, champion bloodlines, for $140. or Best Offer. Baltimore Co. 301-833-0153

4 wheel NI manure spreader on steel, very good condition. Lanc. Co. 717-665-3865

Tires w/rims off 135 MF 14.9-24 4 ply; Farmall C on steel; Enterprise air tight wood/coal range, white, used 1 season. Lanc. 717-859-3192

Farmall H, runs, needs starter, $750. or B.O. Chester Co. 215-593-6484

MF #12 baler thrower, needs work; MF #10 for parts; Badger 2 beater, self unloading wagon. Berks Co. 215-756-6574

Papec hammer mill, 13", belt driven, in working order. Alvin Detweiler, Silo Hill Rd., RD5, Doylestown, Pa. 18901.

Original Montgomery Ward Surrey, immaculate condition, steel tires, no brakes. Asking $3,000. Northampton Co. 215-767-4403

(3) 50 lb. DeLaval milkers, $225. a piece. Take all 3, get new 65 lb. pail at ½ price. E. Zook, 145 Peters Rd., Kinzers, Pa. 17535.

Porter-way tomato harvester, field ready, priced to sell; AC 185 tractor. Talbot Co., MD 301-822-1378 after 6 p.m.

Woodmaster auto. air tight wood heater, very good condition, $160. Lanc. Co. 215-445-5640

Horse drawn barrel type lane scraper, horse drawn dirt scoop, wooden row scraper, 3 ph reversible dirt scoop. Lanc. Co. 717-872-2300

Egg carton styrofoam egg carton, .3 cents a piece, about 1,500 XL cartons. Lanc. Co. 717-733-4581 after 4.

1946 Chev. dump truck, good rubber, good hoist; 1 set 18.4 used tires, $50 Schuylkill Co. 717-889-3353

Honda Odyssey FL250, $650.; Ski Doo 399E 18" track snow mobile, $500.; JD 420 crawler loader, $2,000. Warren Co. 201-453-2491 after 5.

Plymonth 70 to 73 car parts, need body work, other 6 cyl. motors and standard & auto. trans. Best Offer. 717-292-6569 after 5 p.m.

32 feeder pigs; 2 heavy duty 10" table saws, $460. each; 1 6" wood jointer, $275. M.S. Beiler, 718 Vintage Rd., Christiana, Pa. 17509.

12' McCormick Deering harrow; 325 gallon fuel oil tank, 2/3 full; 2 land rollers. York Co. 717-235-1985

1969 Inter 270 Cummins, 10 spd., very good condition; 28' gooseneck cattle trailer; new 32' flat bed gooseneck. Seneca, NY. 607-582-6541

Frick threshing machine. Also grain binder, $375. for both. Ivan H. Zimmerman, RD3, Hahnestown Rd., Ephrata, Pa. 17522. Lanc. Co.

Bobwhite Quail and Gambels. Also Dexter cattle and snow blade for 314 JD. Lanc. Co. 717-786-1746

Bulk bin. Also 2 Service Age bulls. Steven M. Stoltzfus, Box 250, Mondale Rd., RD1, Bird-In-Hand, Pa. 17505.

NI 17 ground driven manure spreader, good condition, $895. Ready to go. Can Deliver. Lanc. Co. 717-548-2559

Snow thrower for Bolens garden tractor, excellent condition, $150. O.B.O. or trade for electric welder. Berks Co 215-679-6164

Large size Warm Morning coal heater, good condition. Ben K. Stoltzfus, 384 E. Main St., Leola, Pa. 17540. Lanc. Co 717-656-7852

9x14 slate, about 14 square. Ammon S. Fisher, 1122 Dry Wells Rd., Quarryville, Pa. 17566.

Surge mini cup milker units, control box pulsators, stall cocks, 2" stainless steel milk line. Make Offer. 215-445-6825

Seeds: Snow Crown, cauliflower, Super Star cant., premium crop, brocoli pro mix; Bean planter, tomatoes, cages. Warren Nolt. 717-656-9764

1973 Ford LTD Station Wagon, $500.; Bolens hydrostatic 12 h.p. tractor, snow plow, rototiller chains, lawnmower, $1,199.; Workhorse harnesses. Offer. Chester. 215-932-2453

NI 17 manure spreader; NH 256 rake, $1,295.; IH 420 baler, $475.; JD 3 pt. 400 roto hoe, $975.; V snow plow. 717-354-0266

Wire tomtato cages, used 1 year, .40 cents each; 83 Fisher power angle snow plow, fits Ford. Snyder Co. 717-374-2250

1600 bu. ft. of cherry lumber, air dryed, $900.; Also round locust posts, 8' long. 717-532-6619

Glass gallon jars and jugs, .25 cents each, about 30. Lanc. Co. 717-733-4581 after 4.

Straw by the bale or by the ton. Leb. Co. 717-865-3876

GMC 1984 Starcraft custom van, V8, loaded, must see, tan, 16,000 miles, still under warranty, $14,200. Can Be Financed. 215-286-5059

NEW JERSEY, Delaware Bay, Sleepy Little Fishing Village, 2 bed rooms cottage for $20,000, Water Front lot. 609-692-5353

Ford 601 Workmaster tractor w/manure dirt snow buckets, 16' boom for 703 Ind. front end loader. $4,000. Best Offer. Northampton Co. 215-767-0269

Standardbred carriage horse, traffic safe and sound. Lanc. Co. 717-733-4763

Husker shedder, good shape. Franklin Co. 717-264-7369

A.J. Root auto. #17 honey extracter, galvanized. Asking $90. Lanc. Co. 717-529-6345

Market wagon, good condition, $1,200. Locust posts, $2.00 each; 1 horse sleigh, $150. Joseph Stoltzfus, RD1, Box 250, Kirkwood, Pa. 17536.

MF 15x7 grain drill, staggered single discs, fertilizer never used, mechanical lift, no grass seed, excellent, $825. Lanc. Co. 717-626-1467

Parlor Stove: "Cole's Hot Blast" coal burning stove. Antique? $250 OBO. Chester Co. 215-692-5214

LAI Case tractor, good condition w/heavy duty cable winch, skid loader attachment; brown Tappan gas stove, good condition. J.E. Stoltzfus, R1, Box 346, Peach Bottom, PA 17563

11'x8' truck bed, bed fair, sides bad, lights & mud flaps, $125; quarter horse mare, $400; big stud pony, $100. York. 717-244-0624.

IH horse drawn sickle mower, good condition, $85; Stauffers silage wagon box, $600. Lanc. Co., PA. 215-267-5917.

Purebred shetland sheep dog, very playful and beautiful. Male stud service available. Atglen should go soon. Chester Co. 215-593-6221.

JD 38 sickle bar mower, exc.; JD Cycline A parts; NI 400, 5 bar rake, exc., $600; Int. 2R 3PTH corn planter, $100. Montg. Co 215-679-7763.

8 wooden shutters 64¼"x16", $20; one antique wooden rake, $25. York Co. 717-755-9418.

Massey Ferguson tractor 202 work bull with loader, runs well. Chester Co. 215-932-3352.

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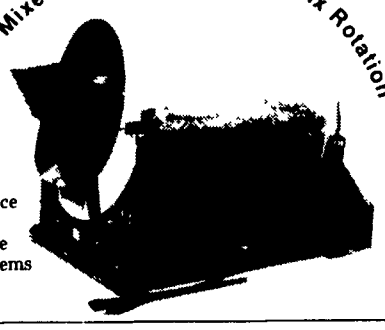
Total Mixed Ration with Tumble Mix Rotation



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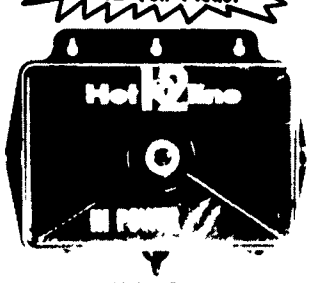

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FOR SALE

White 2-85 cab, WFE, triple remotes, low hrs., excellent condition. For sale by farmer. York Co. 717-993-6845.

P.O.A.'s many nice broke and in foal colorful ponies. Young geldings; also registered shetlands. Adam , Co. 717-642-8653 after 5

Open buggy with hyd. brakes, $850. Enos K. Stoltzfus, RR3, Box 437, Quarryville, PA 17566. Get Drywells Rd. at Ninepoints, go 2 mis. on right.

Weil McLain hot water furnace, good condition, complete with 8 radiators; NI 751 crimper. Elam S. Nolt, Lanc., 215-445-7101

Sauder Model D loader with fork and 5' material bucket. Lanc. Co. 717-367-2747.

Pickup stock rack with sliding rear gate, "pipe type", mixed hay and rye straw. Montour Co. 717-437-2185

1984 Polaris Indy trail snowmobile, 2,000 mis., excellent condition. Perry Co. 717-567-3601.

Cement mixer on wheels, $25. Lebanon Co., PA. 717-838-4875.

20 acres beautiful building sight or will sell 10 acre plot or ½ acre lots near Richfield, Snyder Co 717-694-3822.

Meat ban saw, good condition, $600; gas, refrig, stove, $25 ea. Leola, Lanc. Co. 717-656-7270.

1970 Ski-doo, 1971 Yamaha snowmobile, low mileage, good condition, 2 place trailer. Reasonable. Bucks Co. 215-766-8351.

Angus bulls, 800-1,000 lb.; also 4 year old work horse, broke and has snap. J.S. Stoltzfus, 224 Bartville Rd., #1, Kirkwood, PA 17536.

500 gal. Mojonnier milk tank, round and pumping stations with washer. Chester Co. 215-932-3352.

6' 3 pt. hitch, rear blade, $90.; Lowrey Lincolnwood organ, double keyboard, $350; 1950 Dodge Sedan, garage kept, $1,800. Carbon Co. 215-377-3054

MH 44 dsl. w/belt pulley, runs well, fair rubber, new battery, $650 OBO. Samuel J. Allgyer, RD2, Box 456, Parkesburg, PA 19365. Chester Co.

15 Agstar stainless rotary feeders in new condition, $110; 6 ton feed tank. Lanc. Co. 717-733-4583.

Four piece waterfall bedroom suit; 2 bottled gas room heaters, one direct vent. Lanc. Co. 717-656-8916.

Int. Cub, yellow and white, rebuilt engine, new tires, all attachments. Best Offer. Berks Co. 215-385-6869 anytime.

Air tight Columbian coal or wood stove, 12'x14'x16' gates. 717-665-5664.

JD 4010 WFE, gas, new motor and hyd. system, good tires 18.4x36, runs exc. Somerset Co. 201-874-7849 eves.

Angus bull, 2 yrs. old, good breeder and ready to work; 1952 Dodge farm truck. York Co. 717-927-6428.

Quality mixed hay, 1st cutting, no rain, at $1.85/bale; 3rd cutting, at $2,80/bale. Lebanon Co. 717-838-4610 eves.

S-1678 Martin Scavenger spreader in excellent condition, $5,500 So. Lanc. Co. 717-548-2676.

20 used cooking and room heaters, stoves, wood and coal stoves this week. Wm. S. Martin, RR1, Box 387, New Holland, PA 17557.

Pequea manure spreader, new in spring of '84. Elam E. Beiler, 21 Pond Rd., Strasburg, PA 17579.

SEWING MACHINE: Singer 188KI w/stand Industrial, DeLaval separater. Make me an offer. Somerset Co., PA. 814-662-2177.

Miller 12' heavy duty offset disk, 22" notch blades, leveling cylinder buster bar, tines, cylinder, hoses, $3,200. York Co. 717-432-4100.

Holstein heifers, blood tested, vaccinated. Due Jan. to March. Good size top buggy, hyd. brakes, good cond., $650. Lanc. Co. 717-354-5974.

Red Farmall Cub with plows, cultiv., snow plow, mower, wheel weights, chains, pulley, good cond Cumb. Co. 717-249-4015.

Coming 3 yr. old all purpose horse, excellent worker; also coming 2 yr. Percheon gelding, big. Isaac K. Fisher, 1370 Furniss Rd., Peach Bottom, PA 17563.

Alfalfa grass mixed hay; NH 268 baler; clip ad for later reference on hay. Lanc. Co. 717-786-3300.

Factory steel wheels, rear, for JD A-15 spline. 717-264-8814.

Manure spreader: IH 550 w/hydraulic tail gate, $600. Lanc. Co. 717-367-1907.

866 Uni system pickup head, like new, $2,000. Berks Co. 215-589-5228.

Tractor chains: 1 pair 12x28 off road, 1 pair 10x36, 1 pair 8x24, four big rims for small IH or MH. 717-624-8304 eves.

Two butchering hogs weighing approx. 300 lbs. Gideon F. Stoltzfus, Box 232-A, Snake Hill Rd., Bird-in-Hand, PA 17505.

Unclassified potatoes, $1.50 for 50 lbs.; also full grown cats. John B. Stoltzfus, 96 S. Groffdale Rd., Leola, PA 17540.

Maple dining room suite: Hutch, dropleaf ext. table w/2 boards and 6 chairs. Excellent condition. Lanc. Co. 717-464-2028.

Chestnut lumber all different sizes and lengths. 6x8, 32' long walnut beam. Lanc. Co. 717-626-5678.

Timothy mix hay; truck body, 12:9 stake flat B. 50 Ford pickup, manure spreader, hauled 95 loads, L.N. corale cattle feed & hay rack. 215-346-7410.

Chinchillas equipment and pens. Lanc. Co. After 5PM, 717-284-2127.

1982 Arndt horse trailer, 4 horse in-line gooseneck equipped to haul mares and foals. Berks Co. 215-678-3099.

Hamp cross boars, 1973 Ford pickup, IH 800 corn planter, insulated truck cap. Lanc. Co. 717-786-1458.

Black Australian swan, male, 1 yr. old. Will sell or trade for black female. York Co 717-938-2784.

Kenmore stove in good condition. Melvin K. Fisher, 25 Quarry Rd., Paradise, PA 17562. Lanc. Co.

Plate glass all sizes, $5 and up; 4' fluoresent light fixtures 277V, $2.50 ea. Coat racks (metal) for church, school etc., $15 ea. Berks-Montg. Co. 215-326-3168.

60 JD tractor, good condition, top link, chains, heat houser, all used one time. After 5PM, 717-244-3024. York Co.

Saddlebred horse, safe and sound. Ready to go. Aaron G. King, 2050 Horseshoe Rd., Lancaster, PA 17602.

Koyker corn saver shield with mounting brackets and lift lever, fits most tractors, excellent condition. $75. Lanc. Co. 717-665-4329.

1979 Chev. 1 ton cattle truck, 350 engine, 39,000 mis., 10' Hostetter bed, good condition. Franklin Co. 717-328-3866.

ATTENTION DAIRYMEN! Hussman enclosed compressor unit includes control panel and 7½ ton 3 phase Copelametic compressor Model 9RS3-0760-TFC. $750. Franklin Co. 717-328-5388.

22 gal. cast iron butcher kettle, $55; Ford 8N pulley, $60; front & rear wheel weights for 8N Ford. Schuylkill Co. 717-385-0723.

Columbia cook stove with copper water pan, $200; truck lift for heavy lifting, $75. Perry Co. 717-957-3350.

8½' Meyers snow blade, front end loader, mount, $150. Gloucest Co. 609-478-6090.

AKC Chesapeake bay retriever pups; Sex Sal pullets, 1 yr. old, registered; holstein bull. Samuel J. Stoltzfus, 136 Churchtown Rd., Narvon, PA 17555.

JD 2840 tractor, 2100 hrs., 60% rubber, rollbar available, excellent cond. RD1, Box 31, Narvon, PA 17555 Lanc Co.

Two American saddlebred horses. Your choice. Broke, traffic safe, sound. Jonas Hoover, Martindale Rd., RD 1, Box 845, New Holland, PA 17557.

Three new 7HP Honda engines w/or without 2-1 reduction gear. 40% off regular price. Delivered anywhere for $15. Israel S. Beiler, 343 Christiana Pike, Christiana, PA 17509.

Used kitchen cabinets. Elam L. Stoltzfus, 389 Haiti Rd., Quarryville, PA 17566. Lanc. Co.

500 gal. Girton milk tank, 2-3HP compressor; 54A NH bale thrower in good condition. Lanc. Co. 717-665-3686.

Zimmerman curtain opener, $175. Lanc. Co. 717-354-7142.

Snowblower attachment for White LGT 1655 lawn tractor or similar model, new, never used, $400. Leb. Co. 717-838-2922.

Steel barn window frames, 2-3'x4' and 2-5'x4', $125 for all four. Bucks. 215-257-5898.

Riteway coal and wood stove, excellent condition w/frame. Benuel Kauffman, 1619 Georgetown, Rd., Christiana, PA, 17509. 1 mi. S. of Ninepoints 896.

1969 Chevelle Super Sport with 10 bolt possi rear. York Co. 717-993-2836.

33' triaxle gooseneck trailer, 9.5x16.5x8 ply tires, like new, $3,500; Field Queen side dump wagon. Asking $3,000. Berks. 717-866-4280.

Pheasants golden, red golden, amherst, reeves; also indian fantail pigeons and mille fluer banties. Cumb. Co. 717-423-6620.

1970 Volkswagen needs repair, best offer; several major appliances good for parts. 717-469-2531.

JD 240 disc mower, 5'3" cut, hyd. lift, Cat I&II, 3 ph, like new. Used once. Chester Co. 215-430-0880.

'68 Mustang, V-8, 4 speed, 2 door, new headers, new tires, chrome wheels, AM-FM, cassette, new paint. Bucks Co. 215-346-7759, 215-346-7343.

Homelite gas skillsaw, new in 1981, good shape, $650. David E. Blank, 170 Blank Road, Narvon, PA 17555. Lanc. Co.

'69 Liberty mobile home, new heater, plumbing and skirting, 12x60. Must be moved, make offer. Chester Co. 215-269-1408, 215-431-0514.

Two big winches, $100 and $300; Wisconsin engine for parts or rebuilding, 1,2,4 cyl. Some w/clutch and reduction. Berks Co. 215-385-3187.

1981 '98 Olds diesel w/76,000 miles, good cond. Black in color. Asking $3,200 or best offer. Berks Co. 717-933-5262.

Free friendly 3 year male beagle. Lanc. Co 717-786-3006

Ford 600 w/3 point on steel; generator welder, 400 amp. DC, $200. Berks Co. 215-944-8371, 6-8 PM.

Storm window doors, 6-27 5/8x46½, 2-27¼x38, 3-23 5/8x38, 3-36x80, belt pulley for Cub, $35; Stihl 020 saw, $100. 215-469-6070.

Pre-painted particalboard, 30 cent square ft. 5/8; PTO grass seeder, ready, $7.00/box. 201 Rt. 1, Denver, PA 17517. Lanc. Co.

Two Goodrich steel belted radial tires on rims, P-185, 80R3MS, 5 hole. Fit Chevy citation, $48 each. York Co. 717-755-1187.

Used hog gates, 13' long. Pride of farm hog fountains w/floats. Smidley double 12 hole feeders. Lanc. Co. 717-442-4842.

Harvestore silo, 16x40 w/unloader buyer removes from Montgomery Co., MD, $45. 717-294-3970.

'74 Mack F-model tractor, good 300 HP engine, good 4-17 rears. Asking $4,500. Chester Co. 215-932-3710.

1923 Fordson on steel toolbox, fenders need work, Derco 5'x8' utility dump trailer, $300. 301-834-8480 after 6pm.

IH 370 12' disk harrow w/20" blades; Brillion 13' packer, $1,800; used steel 3x12' sheeting, blue, gray, white, $150. York Co. 717-432-4100.

Heavy duty wood burner w/water pipe radiation by Thermo Control Engineering, 3'x2', $350. Luzerne Co 717-675-1276 after 5 PM.

12" table saw, wooden tilt table and frame moulding cutters included, $200. Mont. Co. 215-234-4867.

Registered border collie pups, $125 each; also 8 month old male. York Co. 717-993-2408.

JDB tractor, iron wheels for hay wagon. One horse cult. old coulter packer for pull behind plow. 609-585-6876.

Simplicity 9020 hydro. drive tractor w/new 20 HP engine, 60" mower blade, cab, $4,250, perfect condition. Lanc. Co. 717-569-3359.

Dairy goats, ADGA Nubians pedigrees, milk records to 3,400 lb. Several bucks, bred does, stud service. Group bargains. Gettysburg, 717-334-7993.

Two used Titan milk house heaters, one 1650 watts, $13, one 3000 watts, $25. Berks Co. 215-488-7423.

Comfort Glow kerosene heater, 11,500 BTU, used very little, excellent condition. Lanc. Co. 717-627-1687.

Buckwheat seed, high yealding Mancan variety, $7.50/bu. Adams Co. 717-528-4666.

Antique 24 box strawberry crates; FMC 2 row sweet corn harvester, $3,500. York Co. 717-292-4154.

Three section harrow, NI pto spreader, 16.9x34 tire, 30% tread, electric fencer, Solid State. Cambria/Lanc. Co. 814-344-8659 or 717-354-8832.

1973 Fruehauf 40' dry van trailer, low mileage, excellent condition. Columbia Co. 717-784-2061

Oliver 565 semi mounted, spring trip, 4x16 plow, good shape, $725.; 7'x8' snowmobile trailer, good, $400. Berks Co. 717-933-8869

Cast iron radiators, wall mount type, 4"x20"x6', $4.00 per ft., 150' available. Schuylkill Co. 717-366-1227

Rabbits, Holland Lops; Reg. Nubian dairy goats. Send for sales list. 301-343-0026 Breezy Timber, 20325 Kirkwood Rd., White Hall, MD. 21161.

Choice Shropshire ewes, lambs, rams. Fine selection, D'Ambra and Shepard bloodline. Leb. Co. 717-949-3653

Girls green, 10 speed Raleigh bike, very good condition. Lanc. Co. 717-354-5360

Hesston model 1014, 12' cut, hydro swing mower conditioner, very good condition, $4,000. or BO. Hunterdon Co., NJ. 201-782-2705

Good quality orchard & timothy hay, 1st & 2nd cuttings, no rain. Old and new ear corn. Delivery Available. Sch. Co. 717-345-4489

(2) new 28-1x26 combine tires and wheels for IH 815, 915 thru 14 series combines, $1,900. Delivered. 315-626-6679

Oliver Cletral crawler mod. HG68, rear PTO and belt pulley, good cond., $1,000. Dauphin Co. 717-896-8671. 8:00-4:00 Weekdays

Lancaster Farming

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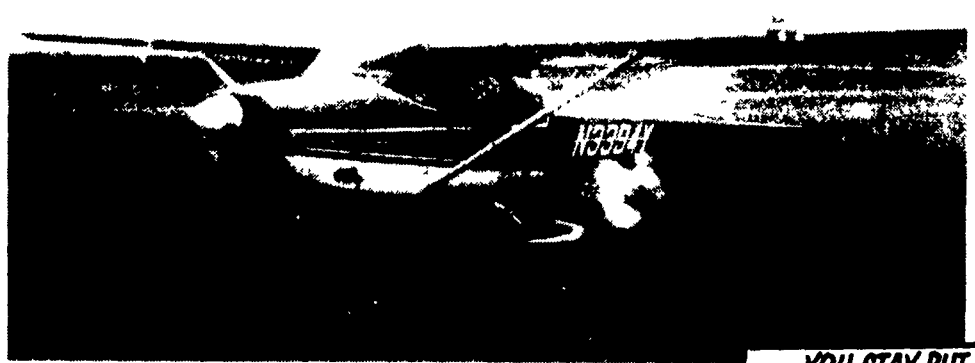

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MAILBOX MARKET FOR SALE

JD 440 D loader backhoe, $4,500.; Low Boy trailer, 6 ton Beaver tail, $2,000. Bucks Co. 215-249-0923

89 acre secluded farm, 4 bedroom brick house, barn, springs. York Co. near Maryland line. $225,000. 717-838-6454 or 717-367-3662

House in country, 3 bedrooms, small barn, garage, room for horses, acre plus, near Hershey, Dauphin Co. 717-838-6454 or 717-367-3662

3 phase 5 h.p. e/motor, tapered shank bits, to 2" diameter. Durant coil straightner feeder, like new. Scrap chopper. Lanc. Co. Joseph Glick, 453 Stumptown Rd., Bird-In-Hand, Pa. 17505.

425 gal. stainless steel tank. Lanc. Co. 717-299-2272

3 Rams, 40 bred Ewes to lamb Jan., Feb.; Farmall C w/loader. Western Sch. Co. 717-648-4078

Lumber to frame 40'x64' building including 8 40' trusses, plans included. Gloucester Co., NJ. 609-881-8882.

School House coal furnace. 717-656-6109

Farmall 656 TA 3 pt. hitch, 540 PTO, dual hyd. $2,200. Carbon. 717-386-5696

36" snow blower for 8-10 or 12 h.p. Wheel Horse tractor, antique hand carved wooden bed, 57" wide. Lanc. Co. 717-569-3879

MAILBOX MARKET WANTED

Salvage to attic flooring, old log houses, large barns, farm houses. J. Longanecker. Days 717-334-5740; 7-9PM, M-Th. 717-334-0249.

Gearing to fit small Dunlap (Sears) metal lathe #109-0702. York Co. 717-428-1012 any time collect.

Electric meat grinder, Caterpillar dozer D2 or similar size. Richard Thompson, R1, Box 174, Huntingdon, PA 16652. 814-627-5149.

NI #10 picker for parts. Berks card to Box 41, Temple, PA 19560.

Cat O 3 pt. hitch, rear scraper blade. Hunt. Co., NJ 609-466-2375.

100 8' double tube flourescent lights; Mercury vapor lamps, buyer for Dodge 600 flatbed. Lebanon Co. 717-933-8281.

Piston water pump, 1,000 GPH, 125 PSI, good cond.; AD Schmidt Monkton, MD, 301-472-2266.

70 yr. old kid loves airplanes. Wants completed models. Static, composit, plastic, V-line, gas. Call w/selling price, 215-395-2349.

Wanted for Christmas present, Belgium, young, blond mane and tail. Chester Co. 215-383-0391 after 4:30.

Engine or valves springs and keepers, water pump intake valves needed for Buda 217 HP Huber Road Grader maintainer. 215-374-9203.

Houses, barns, out buildings for salvage. Also attic flooring, old hardware, doors, etc. Good prices for good material. Adams Co. 717-528-8831.

Conde, gasket for 9½" milk strainer assembly. Lanc. Co. 717-529-2937

Rotory mower 8' or wider, pull type, any condition, within 50m of York. Northern MD. 301-877-7015

200 acre plus, valley dairy farm or farms, with excellent soil in vicinity of Rt.80 or below. 201-689-6772

Brick Layers, Block Layers, Helpers, needed immediately, on the job training and transportation, available in Lancaster area. 717-687-0317 or 717-687-6538

Farm in Lanc. Co. or home or work on dairy farm. Have cows & equip. Blair Co. 814-793-3308 or 717-354-7889

16x60 concrete stave silo. Lanc. Co. 717-354-0595

Blue cloth seats for 1983-86 Van, bench blue for back 2 seats, must be quick tach. Lanc. Co. 717-733-1235

Steel fence posts, treated posts, and wire fence, 6" between stays. Centre Co. 814-422-8559

(1) 23.1-30 combine tire, used, but must be good; (1) 12"-18" bucket for JD 300 backhoe. 717-569-7929

1957 Chevy, priced as to condition. S. Chester Co. 215-932-5797

Patz silo unloader, 16'; Offset disk 9-10'; 5 h.p. good gas engine trailer, 8x12 for road. Lanc. Co. 215-445-6067

200 gal. Onhydrous ammonia tanks. 717-653-4598

730 Case tractor that needs overhauling; 3 ton feed bin. Jacob F. Stoltzfoos, 5087 Newport Rd., Kinzer, Pa. 17535. Lanc. Co.

Need hood, fenders, for 1938 T-20 Int. crawler tractor. Leonard V. Morgan, Rt.1, Box 446, Mechanicsville, MD. 20659. 301-373-2163.

Housekeeper companion for elderly semi-active lady, small modern middle Delaware home. Room board, no salary. References required. 133 Gum Bush Rd., Townsend, DE. 19734. 302-653-7132

24-26 tie stalls. Please state type, condition, price. Write: Alvin Stauffer, RD3, Selingsgrove, Pa. 17870. Snyder Co.

Help for dairy and tobacco farm, summer 1987. Write or contact: Amos K. Petersheim, 137-B N. Harvest Rd., Bird-In-Hand, Pa. 17505.

Used NI 213 or 214, 3 beater manure spreader. Must be in good condition. Garrett Co. 301-895-5467.

Good late model forage harvester and 3 forage wagons w/roofs. Berks Co. 215-944-0541

Decoys Wanted: Duck, Goose, Swan and Crow. Baltimore Co. 301-357-4306

MAILBOX MARKET NOTICE

Farm house, 1BR apartment for rent. Possible part-time employment. 717-684-8893.

If you want me to repair your collars, bring soon, don't wait till March. Christ E. Fisher, P.O. Box 162, Paradise, Pa. 17562.

All Conde' milker parts, 15% off thru 1-3-87. Call 717-354-5688 or write: Conde' Milker Service, RD3, Box 484A, New Holland, Pa. 17557.

65 Gehl grinder mixer, in working condition, to be sold at New Holland Equip. Sale on Jan. 2nd.

Sale Reports

A Consignment Auction was held December 15 at the Auction Barn in American Corner, Maryland between Federalsburg and Denton, Md.

Some prices were: post hole digger $275, grader box $300, disc $300, Super A tractor $925, A.C. WD tractor $350, 1984 Pontiac $2100, hay $2.55 per bale, flat bed wagon $275, log splitter $800, Gravely mower $170, horse-drawn riding cultivator $60, timber cart $35, wooden used tomato baskets 35 cents each, plastic used tomato baskets $1.60 each, Vicon power harrow $275, Ferguson 20 tractor $1400, Int. 986 tractor $8000, J.D. 4020 tractor $6200, 1968 Chev. w/dump $5250, GMC 1981 truck w/dump body $13,200 and GMC 1975 truck w/dump body $9500.

A. Curtis Andrew Auction, Inc. conducted the sale.

XXX

A Public Auction of farm equipment was held December 20 for I. R. Swann & Sons, with Lloyd O. Whitehead, Trustee on Preston-Easton Rd., Rt. 331, Easton, Md.

Some prices were: N.H. 790 spreader $2125, J.D. plow 4x16 $825, 20 ft. field cultivator $475, J.D. trailer slide axle $1000, 3 axle trailer $1025, 21 ft. Brillion cultipacker $1925, A.C. 200 tractor $3000, Int. 966 tractor $5200, Int. loader #3250 $2750, Int. Highboy $2000, Case 1370 tractors $3950, $4050, $3300, Case crawler-loader $3650, M.F. 1155 tractor $4100, A.C. 7060 tractor $5800, Case 2870 tractor $14,500, M.F. 760 combine $6050, J.D. 1981 #7720 combine $19,200, A.C. L-2 combine $17,000, A.C. 630 cornhead $2900 and grain table $2300.

Pete Richardson Auction Sales conducted the sale.

XXX

A Public Auction of a 65 acre farm was held December 19 by William E. Cramer and Betty J. Cramer, 10½ miles south of Lancaster off White Oak Rd. on Stively Rd., Lancaster Co., Pa.

The 65 acre farm with a 2½ story frame house, tobacco barn and pole barn was sold for $274,000 to Mr. and Mrs. Jeffrey Rutt, R.D. 1, Peach Bottom, Pa.

The auctioneers were Lloyd Kreider, Randal Kline and Roy Good.

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RODENTS carry diseases which can endanger the health of your poultry flocks. **Your** business is raising them. **Ours** is protecting them.

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FARMERSVILLE AUCTION

THURSDAY, JANUARY 1, 1987

NEW YEAR'S DAY

9:00 A.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

Antique & Collectibles Sale.

Dovetailed Walnut slant top desk; Oak oval china closet w/lions heads & claw feet; golden oak high sideboard; 3 pc. oak roll top bedroom suite; red blanket chest w/crab lock; 2 square oak ext. tables w/boards; set of 6 press back chairs; jelly cupboard; tobacco bale box; large English wardrobe; set of 6 cane seat chairs; oak chest of drawers; oak side x side desk; oak wash stand w/mirror; bow front mahogany breakfront; set of 4 chairs; ice box; sausage stuffer; trundle bed; drop leaf ext. table; mah. gate leg drop leaf table; Queen Anne library table; treadle sewing machines; quilt rack; spool cabinets; large amber & green tiffany dome, from old parsonage at Terre Hill Methodist Church; dolls; carnival glass; quilts; toy riding steam roller; 8 miniature kerosene lamps; pictures & frames; kerosene lamps; old clothes; crocks & jugs; wooden mincemeat bucket; linens; lots of glassware; tin ware; baskets; slaw cutters; etc. etc.

WE SELL ON COMMISSION

Call **JOHN J. RUTT** (717) 354-5095

Auctioneer: Lester Weaver AU-982-L

2 auctioneers will be selling. Furniture at 10:00. NO OUT OF STATE CHECKS.

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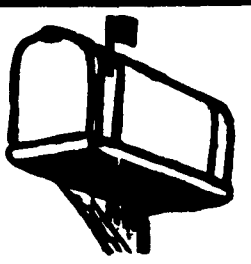

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Lititz, PA 17543
No Phone Calls Please

Sale Reports

A Business Liquidation Sale was held December 20 by Triplewood Construction, Chestnut Street in Gap, Lanc. Co., Pa. There were 200 registered bidders present.

Some prices included: aluminum extension ladders $85 to $150 each, aluminum step ladders $25 to $75 each, lengths of air hose $25 to $75 each, wooden level $35, chain saws $100 to $150 each, air nailers $250 to $400 each, air staplers $200 to $300 each, air roofers $75 to $125 each, 50 lb. boxes of nails $20 to $100 each, hand power tools $25 to $$150 each, air compressors $300 to $450 each, and airless nailer $945, plus generators $450 to $650 each.

The auction was conducted by Old Towne Auction Service.

XXX

A Public Auction of electric appliances was held December 20 by Denlinger Electric, 2184 Old Philadelphia Pike, Lancaster, Pa.

Some prices received were: freezer $300, wringer-washer $140, washer & dryer combination $560, desk chairs $70 to $100 each, 4 drawer fire proof file cabinet and safe $310, refrigerator $275, microwaves $100 to $200 each, dishwasher $150, dehumidifier $150, dehumidifier $140 and Int. ½ ton pickup truck w/utility body $925.

Alvin Miller and Elvin Siegrist were the auctioneers.

XXX

A Public Sale of farm equipment was held December 20 by Richard O. Binkley, along Route 441, north of Columbia, Lanc. Co., Pa. There were a number of out of state bidders in the crowd attending the sale.

Some items sold were: J.D. harvester $24,000, J.D. 7700 combine $11,100, Badger wagon $1600, N.I. rake $925, J.D. 2010 tractor $1700, Farmall #350 tractor $1175, M.F. 1085 tractor $7700, payloader $2600, I.H. hay swather $1125, Int. 430 baler $1100, disc $1500, 5-bottom plow $1750 and gravity bin $650.

Wolgemuth Auction Service conducted the sale.

XXX

A Public Auction of farm equipment was held December 13 by Joe and Joanne Ruth, between Fleetwood and Lyons, Berks Co., Pa.

Some prices were: Int. 186 Hydro tractor $14,000, Int. 666 Hydro $6300, Int. 574 diesel $5500, Int. 400 tractor $1775, Int. 3200 skid loader $2800, N.H. 1495 haybine $13,300, N.H. 256 rake $1100, N.H. 320 baler $6100, N.H. 890 forage harvester $5040, N.H. 1880 self-prop. w/heads $12,500, 3 Badger forage wagons $2800 each, 4 steel rack hay wagons $1600 each, Int. #55 chisel plow $1150, Int. 710 plow $1750, Rhino folding disc $2900, Brillion seeder $2200, 1979 Chev. pickup $2850, 1972 Chev. flat dump truck $4000, cattle trailer $2900, Weaverline silage cart $3400 and hoof trimming table $1700.

Horning Farm Agency, Inc. conducted the sale.

XXX

A Public Auction of real estate and farm and household items was held December 20 by Elwood and Bertha E. Evans, R.D. 2, New Providence, Pa. om Schoolhouse Road in Lancaster County.

The 27½ acre farm was sold for $147,000 to Harold Findley, R.D. 2, New Providence, Pa. It included a 2½ story frame house, 2 story frame barn and implement shed plus other buildings. A 1 acre building lot was also sold to Harold Findley for $11,000.

Other items sold were: N.I. corn picker $1200, M.F. 35 tractor $1700, A.C. tractor $825, elevator $325, disc $285, gravity bin wagon $300, iron bed $270, washstand $200, chest of drawers $140, corner cupboard $170 and refrigerator $175.

The auctioneers were Lloyd Kreider, Randal Kline, Roy Good and Gary Shirk.

XXX

A Public Sale of real estate was held December 19 by Aaron K. and Lizzie Lapp, 1 mile east of Bartville and 1 mile south of Nine Points along Bartville Road, Lancaster Co., Pa.

The 80 acre farm with 62½ acres tillable was sold for $283,000. It included a double stone and frame house, bank barn with 32 stanchions, concrete stave silo, tobacco shed, corn barn, carriage shed and milk house.

Diffenbach's Auctioneers conducted the sale.

XXX

A Public Auction of cows and hay was held December 17 by Eldon and Betty Eby, west of Hagerstown, Maryland on Broadfording Road. A nice sized crowd attended the sale.

The 52 head of grade Holstein cows averaged $952. The top cow was sold for $1400 and two others were sold for $1275 each.

The 550 bales of timothy hay sold for $2 per bale and the 1800 bales of alfalfa hay brought $2.25 per bale.

Robert C. Mullendore was the auctioneer.

Public Auction Register

DECEMBER

SAT DEC 27 - 8:30AM Tack, 10 30AM Horses Consignment Horse Sale Keister's Middleburg Auct. Sales, Inc., Rt 522, 3 mis. E. of Middleburg, PA, 5 mis. W of Selinsgrove, PA Don & Walt Keister, Owner

SAT DEC. 27 - 9:30AM Real Estate, HH, Tools, Farm Eq., Trucks York Co, PA Turn S. off Rt. 30 at Wrightsville Exit, follow Cool Creek Rd T775 to East Prospect, continue straight on to Rt 124 into Craley, turn right on Rt 624 go approx. 1 mi to edge of Martinsville, turn left onto Hakehollow Rd Follow to sale. For. Clair & Nancy L Rexroth Blaine N. Rentzel, Auct

SAT DEC. 27 - 10:30AM Farm Eq, Rotovators, Trucks, Gooseneck Grain Trailer (10 mis. W of Allentown), 1 mi N. of Fogelsville, exit off Rt. 100 onto Mohr Lane & Applewood, continue W. past Penn State Campus for 2.2 mis. to Wertman St., left one block in Weisenberg Twp., Lehigh Co, PA For Zettlemoyer's Sunrise Farms. Ralph W. Zettlemoyer Auct Co., Inc.

SAT. DEC. 27 - 11AM Mr & Mrs. Pete Jensen Farm Machinery Dispersal. Co. Rt. 122 (Prattsburg to Italy Hill Rd.), 4 mis. N. of Prattsburg. Steuben Co., NY. Pirrung Aucts., Inc.

SLOCUM ACRE FARM

DAIRY AUCTION

Having decided to discontinue dairying, we have been commission to sell on:

WEDNESDAY, DEC. 31, 1986

at 12:00 Noon

At the farm on Hatch Hill Rd., New Albany, Pa., turn west off Rt. 220, just north of the town, 12 miles south of Towanda, Pa., Bradford County.

Watch for Arrows!

52 HEAD OF REGISTERED & GRADE CATTLE

39 mature dairy cows, mostly spring freshening dairy. Majority of cows due in Feb., Mar., & Apr. Cattle that will respond to feeding program. 23 heifers, 3 ready to breed, the balance well started calves, 1 Brown Swiss, 1 bull calf. All cattle 30 day blood & TB tested, pregnancy examined, shots for shipping fever. (1) 9 yr. old horse.

Terms: Cash or Good Check

Owners:

SLOCUM ACRE FARM

Sales Managers & Auctioneers:

Howard W. Visscher, Nichols, NY, AU959L, 607-699-7250

Glenn P. Shores, Towanda, Pa., 717-265-8280

Lunch Available

PUBLIC AUCTION

TRUCK- 2 TRACTORS- ORCHARD EQUIPMENT- BULK BINS- CRATES

The undersigned discontinuing fruit farming, will sell at public auction, located midway between Fairfield, PA and Cashtown, PA - in the Village of Orrtanna, PA (adjacent to Knouse Foods Coop)—on

MONDAY, JAN. 12, 1987

12:00 NOON

Like new 1976 International Loadstar 1600- 1-owner truck, 8400 original miles, 5 speed w/2 speed rear, 9:00-20 rubber, 345 gas engine, 18 ft. flat bed, 26,000# GVW-must see to appreciate.

International Model 544 Hydro tractor, gas, utility, 14.9-28 rubber, fast hitch, remote, partial cab with a front mount Century fork lift; International Model 460 gas utility tractor, fast hitch, 1-owner, 2700 original hours with a Wagner 2-way loader having fork lift w/guard and 6 ft. snow or ground bucket; IH Model 1000- 9 ft., fast hitch cutterbar mower w/2 cutterbars; VN Hydra Ladder - Kohler engine, and hyd. pruner; Friend 100 gallon herbicide sprayer, fast hitch and Myers boom; Hardie 500 gallon orchard sprayer; Woods Model 210- 10 ft. offset pull-type rotary mower w/cyl. lift, new blade and chain guard; John Deere 5-ton wagon chassis w/flat bed; John Deere Killifer 22-disc - disc harrow; 700# fast hitch rear weight; fast hitch bin carrier; wheelbarrow clover seed sower.

Myers 3 HP portable pump w/suction & disc hose; Marlow 3 HP portable pump w/suction & disc hose; Century portable air compressor w/110 motor; McCulloch Power Mac 310- 14" chain saw w/case; 55 gallon drum - 10W-30 tractor & truck oil; approx. 15- 55 gallon drums; approx. 400 apple bulk bins - most in very nice condition; approx. 725 bushel crates - most very nice; misc. baskets and crates; approx. 25 picking ladders - most in new condition - to 20 ft. high; 20 picking tubs; 20 picking bags; approx. 100 tree guards.

14' by 16' canvas; misc. 1" and 2" softwood and oak lumber- some 1 ft. wide; pruners and trimmers; small hand tools; wagon of asst. items and hardware.

Most items bought new and are 1-owner - Plan to Attend.

Sale Inspection: January 10th-11th and Sale Day.

Terms: Cash

J. KENNETH BIESECKER- OWNERS

PH: 717-642-8981

C. David Redding- Auctioneer

PA License No. 742-L

Gettysburg, PA-PH: 717-334-6941

Refreshment Rights Reserved

PUBLIC SALE

SATURDAY, JAN. 17, 1987

9:30 A.M.

Located six miles south of Quarryville, four miles north of Wakefield. Just east of Route 222 along Fulton View Road. Little Briton Twp. Lanc. Co. Penna.

REAL ESTATE

70 ACRE FARM more or less

Approximately 56 acres tillable

Approximately 11 acres permanent pasture and woodland.

BANK BARN with slate and metal roof. Milk house, corn cribs.

Forty stanchions; box stalls; Horse stable; 16' x 55' concrete stave silo; carriage shed

STONE and frame house with seven rooms, and bath. Large porch. Slate roof.

LIVESTOCK

40 Head Holstein Dairy Cows

Many fresh and close springers.

14 Holstein Heifers

Two due in May, several breeding age, balance from one to six months old.

FIVE WORK HORSES Including four, five and seven year olds, Two sorrel smooth mouth Mules.

FARM EQUIPMENT

Case Comfort King "930" Diesel tractor, with Hyd and Side Pulley; New Holland #311 Baler with two-cyc engine used 3-years; New Idea #323 corn picker with VF engine; Speedy Roto Beater with Smucker flails and VG 37 h.p. engine; McD corn binder.

New Holland #455 grass mower with Hyd system; New Idea crimper; Pequea hay tedder; Farmec 36' elevator; New Holland #256 Hay rake, in good condition; two steel wheel wagons with beds.

Case 32 transport disc; Oliver 2-bottom 14" Raydex plow; McD 2-way sulky plow; double cultipacker; New Idea tobacco planter; New Idea #306 manure spreader; 200 gallon field sprayer with 10 row boom; J. Deere 8' spring harrow; three foretrucks, one with auto turn and one with Hyd.

Used lumber including 20 16' and 12 18' tobacco scaffolding; Tin; 3000 tobacco lath; two Minnich tobacco presses; tobacco shears and spears; Hudson sprayer; 15' wood gate; 500 wire tomato cages; two 275 gallon tanks; feed and ensilage carts; wheelbarrow; eight sets of front gears; collars; bridles; lines; eight jockey sticks.

CROPS

Approximately 8 tons of third cutting alfalfa hay; corn fodder; Approx. 150 ton corn ensilage; Approx. 80 ton Hi-moisture corn in Ag-Bag.

DAIRYING EQUIPMENT - Mueller 600 gallon bulk tank; Sputnick; Slantzi 22 h.p. diesel; Lehigh 3 h.p. air compressor; Bou-matic milker pump; Three Bou-matic milking units with Delaval pulsators and inflations; four 60 lb. and one 80 pound pails; Two h.p. air pump; Hot water heater; stainless twin tubs; stainless stainer and 16 qt. bucket.

Sale at 9:30 A.M.

Real Estate at 10:30 A.M.

Inspection anytime except Sundays

Owners

JACOB M. & RACHEL E. STOLTZFUS

Diffenbach Aucts 225L

717-393-4464

Lunch Available

AUCTION

AT: Skippack Firehouse

Rt. 113 (¼ mi. so. of Rt. 73)

Skippack, PA

TUES., DECEMBER 30, 1986

9:00 A.M.

Jewelry at 11 A.M.; Stationwagon & Guns at 12 Noon; Furniture to follow.

FINE JEWELRY include two ladies' platinum rings, 1 w/6 baguette diamonds & 18 marquise diamonds - 4.50 ct.; and one w/pr. tapered baguette diamonds, 1 round diamond approx. 3.50 ct.; 1 diamond dinner ring in platinum, lady's platinum fancy link design bracelet w/7 marquise diamonds & 14 round diamonds approx. 1.40 ct., 56 baguette diamonds approx. 1.75 ct. & 84 round diamonds approx. 2.80 ct ; 3 wedding bands w/diamonds, engagement rings w/diamonds, one lady's 14 K gold twist ring containing 12 sm. round diamonds & 2 center diamonds; white gold 9 diamond cluster tie tack, diamonds are old mine; chain, pr. white gold clip earrings w/22 marquise diamonds & 6 round diamonds, one white gold heart w/18 diamonds approx. 3.6 ct., one diamond in center, hanging on platinum chain w/12 diamonds; lady's 14 K white gold covered watch & bracelet w/many diamonds, pocketwatches in 25 & 20 yr. cases, ladies' & men's wrist watches one 17 jewel w/6 sm. diamonds in 14K case, pearl necklace, also unusually fine costume jewelry.

14 FIREARMS include S&W 38/44 outdoorsman revolver and .32 cal. w/3" bbl.; Colt Official Police Revolver w/6" bbl., and one 25 cal. pistol; US Army 38 cal. auto.; 22 cal. C Sharps 4 bbl. Shotguns, 12 ga. dbl. bbl. w/engraving, one octagon bbl. 22 cal. rifle fall block w/markings; 2 swords.

AUTO - 1969 Ford LTS Stationwagon w/390 V/8 engine, auto. trans., air, A-title, 140,000 orig. miles in good running condition.

ANTIQUES include child's ice cream chair, schoolhouse clock, walnut bed, sideboard, nightstands, chairs, chest of drawers, cradle, wooden wheelbarrow, postcard albums, quilts, tiffany type lamp w/beaded fringe, agateware scale.

CHINA include Ironstone & Willoware pcs., Gaudi Welsh plates, Blue Sponge pitcher and spittoon, Staffordshire pcs., **FIESTAWARE** approx. 50 pcs. incl. syrup jug and candlesticks; **GLASSWARE** include mini oil lamp bases, vaseline overlay serving set, gold band water pitcher.

FURNISHINGS include 4 pc. bedroom suite, maple kitchen set, kneehole desk, blanket chest; Hand & Garden **TOOLS** - 20 ft. ext. wd. ladder from 1917 seagrave pumper. This is only a partial listing; request handbill.

TERMS - CASH; LUNCH.

Sanford A. Alderfer, Inc.

Real Estate Brokers & Auctioneers

Box, 1 Harleysville, PA 215-723-1171

PA No. AU-001117-L

Public Auction Register

SAT. DEC. 27 - 11AM 50 Head Cattle at Penns Valley Livestock Auction, Centre Hall, PA. Intersection of Rt. 45 & 144. By: Farmers Home Administration. Formerly Roger & Carolyn Green.

SAT. DEC. 27 - Real Estate, Saw Mill Eq., Mack Trucks, Fruehauf Trailers. Denton Trucking, Inc., and Richard Perry Mezick, Hobbs Rd., Market St., Denton, MD. Pete Richardson Auct. Sales.

MON. DEC. 29 - 9:30AM Lancaster Central Farmers Market will sell 15 stands at Central Market by public auction.

MON. DEC. 29 - 10:30AM Farm Eq., Trucks. Between Pennsburg & Quakertown turn S. off Rt. 663 onto Geryville Pike approx. 2 mis., turn E. onto Finland Rd. for 1 mi. to farm, Montgomery Co., PA. By: Linford Nace & Clyde Beck. Ralph W. Zettlemoyer Auct. Co., Inc.

MON. DEC. 29 - 1PM Eq. Fixtures, Office Furn., Misc., Sound & Lighting Eq. Corvair's Lounge formerly Old Colony Restaurant, 1281 Manheim Pike, Lancaster, PA. Glenn Carter, Owner. Kerry Pae Aucts.

MON. DEC. 29 - 1PM 132 Acre Farm. Along Harvest Rd., Elizabethtown, PA. From E-town square take E. High St., (E-town/Manheim Rd.), approx. 4 mis. to Trail Rd. Turn left, go ½ mi. to Harvest, right on Harvest to property. Mt. Joy Twp., Lanc. Co., PA. By: Lloyd H. & Kathryn H. Wenger. Paul E. Martin & John D. Stauffer, Aucts.

TUES. DEC. 30 - 9AM Antiques, Old Jewelry, Collectibles, Dishes, Glassware, Personal Property. At Springetts Fire Co. Social Hall, 3013 E Market St., York, PA. Brian L. & Jacob A. Gilbert, Aucts.

TUES. DEC. 30 - 9AM Jewelry, Stationwagon & Guns, Furniture. At: Skippack Firehouse, Rt. 113 (¼ mi. S. of Rt 73), Skippack, PA Sanford A Alderfer, Inc.

PUBLIC AUCTION

Tractors, Farm Equipment, Tools, Straw

WED., DECEMBER 31, 1986

10:00 A.M.

LOCATED: York County, PA Rt. 30 to Hellam Exit, South across Rt. 462 (E. Market Street) onto Freysville Road, 2 Miles to Fry's Lane on Left, 1st Farm on Right.

New Idea 323 Corn Picker (excellent shape). Allis Chalmers C Tractor w/Hydraulics, Cultivators and 2 Row Mtd. Planter. John Deere Model A Tractor (1945) (A1 condition). John Deere Model H Manure Spreader. Smoker 32' Elevator. BMB 5' Pull-Type Rotary Mower. Approx. 300 Bales Wheat Straw (to be sold by bale).

New Holland 66 PTO Baler, Case 4 Bar Rake, AC 2 Row Mtd. Planter, J.D. Lime Drill, 2- 14' Flat Wagons w/Side and Back Ladders, 12' and 20' Alum. Corn Elevators, Front Mtd. Circular Saw, 8 Row Field Sprayer w/Poly Tank, 3 Sect. Spring Harrow, Rhome Disk Harrow, Cement Mixer, Potato Plow, Garden Seeder, Garden Cultivator, JD Walking Plow, 2 Drag Sleds.

2 Iron Butcher Kettles w/3 Ft. Stands and Lids, Wooden Wheel Barrow, 500# Platform Scales, Lard Press, Scalding Trough, 3 Whl Freight Cart, Benches, Wash Tubs, Iron Picket Fence, Wagner Turner Drill Press, Anvil, Elec. Motors, Shop Vacuum, Chain Binders, Log and Tow Chains, Tire Chains, Lot 1" Turkey Wire, Ladder Wooden Gates, Dolly Wheels, Strap Steel, Stove Pipe, Storm Windows, Asbestos Siding, Barn Hinges, and More.

TERMS: CASH OR GOOD CHECK.

NOTE: This equipment is in exceptional condition, operated by owner on 20 acre farm and kept under roof.

SALE CONDUCTED FOR:
MR. & MRS. RICHARD E. DIETZ
RD 24
York, PA
(717) 755-4215

AUCTIONEER:
Blaine N. Rentzel
Emigsville, PA
(717) 764-6412
PA Lic. #761

AUCTION

TUESDAY, DEC. 30, 1986

At 11:00 Sharp

Farm Tractors Bulldozers Rollback Truck Farm Machinery

30 miles East of Albany, NY, 5 miles South of Cambridge, NY, Located on Route 22 and 67, North of North Hoosick (Edge of Village). From Troy, NY, Route 7 East on to Route 22 North.

TRACTORS

J.D. 4230 D; J.D. 3020 D; Farmall 656 D w/cab; Case 730D; Farmall M; Farmall S-M; Ford 5000 D w/Hyd. Loader; Ford 860 w/Hyd. Loader; Ford 850 w/Hyd. Loader; David Brown 1200; M.F. 165D; Ford 4000 G.

BULLDOZERS

J.D. 350 B w/6 way hydraulic angle blade, winch cab, extra wide pads, J.D. 440.

TRUCK

1975 I.H.C. 1600 with Full Rollback.

BACKHOE

Case 580 B with cab.

MACHINERY

N.H. 782 Chopper with 2 Row head, three years, excellent; N.H. 717 Choper with 2 Row head; J.D. 35 Chopper; J.D. 7½ Pickup head, fits self-propelled and pull-type choppers; N.H. Open End Pickup head; H & S 3 Beater Forage Wagon w/roof; Kasten 3 Beater Forage Wagon w/Roof; M.F. 4 Bottom, spring automatic reset, steerable Plow; J.D. Transport Harrow; Rake; Disc; Cole 4 Row Planter, Like New; A.C. No till 4 Row Planter; Knight Mixer Wagon; Gehl 1500 Round Baler; 4 or 6 Row 3 Pt. cultivator w/Danish style teeth; Ford 3 pt., 7 ft. Mower (as is); 2 - N.H. 479 Haybines 9 ft.; N.H. 472 Haybine 7 ft.; N.H. Baler; Manure Spreader; New Rotary Cutter; New Scraper Blades; Pasture Harrow; Blower Pipe.

TERMS: Cash or good Check.

Lunch Available
Partial Listing

HOOSIER AUCTION
Auctioneer: John L. Calhoun
(518) 686-5360

PUBLIC AUCTION

FARM EQUIPMENT, TRUCKS; BUGGY; CART; HAY & STRAW, HOUSEHOLD GOODS

TUESDAY, DEC. 30, 1986

at 11 A.M.

Between (Allentown & Hamburg), one mile West of the Village of Krumsville along old Rt. 22, Greenwich Twp., Berks Co., Pa.

White ISEKI diesel tractor, 400 hrs, also White 1010 frt end loader for same; Woods M-5, 3 pt rotary cutter; small two wheel rubber tire manure spreader; 2 bale thrower wagons; 3 Pride of the Farm 80 bu steer feeders; 2 Pride of the Farm hog self feeders; 5' & 8' ci cattle water troughs; 4 galvanized cattle water troughs; 5 ci hog troughs; 125 bales mixed hay; 7 ton oats straw; 50 bales wheat straw; White #518 hy p washer; 1 hp motor air compressor; White Yard Boss 11 hp riding mower w/44" deck only 6 mo. old; 4 rotary p mowers; Gilson rototiller; JD pull type lawn sprayer w/gas engine; Stihl chain saw; one horse top buggy built by (Boyertown Carriage Works); one horse meadow cart w/fenders; (2) one horse sleighs; 1½ cords ready cut fire wood.

TRUCKS: 1982 Chev. ½ ton pickup w/6.2 diesel engine, 65,000 miles; 1978 GMC one ton dual wheel truck, rebuilt engine 35,000 miles back, has 9' stake body; 6'x8' alum truck cab; 6'x8' metal cattle racks; 1962 Int B-180, 14' grain dump truck w/new 306 engine, 10:00x20 tires, 28,000 lb GVW.

HOUSEHOLD: 3 pc pine wood & game upholstery & matching end & coffee table set; vinyl recliner; oak wash stand w/towel bar; cut down hall rack; porch bench; old sq trunk; ci dinner bell w/post & brackets; counter top style refrig freezer comb; plus other articles not mentioned.

AUCT. NOTE: Selling because of ill health, most everything is in new condition, not many small items, be on time.

Terms—Cash or Acceptable Check

Ordered by
RAYMOND B. LONG

Conducted by
Ralph W. Zettlemoyer Auction Co., Inc.
(215) 395-8084
Pa. License #AU-001809-L

Refreshments Available

P.O. Box 5 • Fogelsville, PA 18051 • 215 395 8084 • License #AU001809 L
RALPH W. ZETTLEMOYER AUCTION CO., INC.

ANTIQUE AUCTION

New Year's Day
JANUARY 1, 1987
10 A.M.
ANTIQUES, GLASSWARE, GUNS, CLOCKS, DUDLEY WATCH, TIN, IRON and FURNITURE

LOCATION: Johnson's Auction, 17 New Haven St., Mt. Joy.

Wheat Cradle, Brady Tools and Other Old Tools; Flour Chest; Feed Box; Old Wooden Wheel Barrel; Old Wooden Rocken Horse; Buck Saws; Wooden Planes; Sadlers Bench; Juice Press; Oak Ice Box; Pedal Powered Shaper; Iron and Copper Kettle; Agate and Tin Items; Food Grinders; R.R. Lantern; Oil and Aladdin Lamps and Parts; Milk Cans Including a Hershey Choc. Inc. Cow; Hand and Graduated Bells; Harness Closet; Masonic Dubley Pocket Watch; Ladies Eastern Star Ring; Guns Including 3 Flink Locks; 12 Gauge Hammerless and a Little Flint Derringer; Glassware Including Heisey, Depression, Carnival, Ruby and Others; Clocks Including Two 8 Day Schoolhouse, Ingraham 8 Day Gingerbread, German Style Wall, Antique RCA Adv. Clock (excellent condition); Lots of Items Too Numerous to Mention.

TERMS: Cash, No Out of State Checks Accepted.

Auctioneer:
H. EDW. JOHNSON AU-001842-L
Mount Joy, PA
(717) 653-9290

PUBLIC AUCTION

ANTIQUES & FARM EQUIPMENT
For Mr. Charles Goforth
SATURDAY, JAN. 3, 1987
Time 10:30 A.M.
Commissioner's Rd.
(Rt. 581)
Daretown, N.J.

Pine corner cabinet, doved tailed blanket chest, Beautiful lg. walnut sideboard, early walnut drop leaf table, tall country cupboard, 4 matching victorian chairs, victorian sofa, 2 lg. victorian chairs, round oak table w/claw feet, (15 leaves), oak roll top desk, oak sideboard, early pine wash stand, rope bed, 4 plank bottom chairs, lg. square oak table, game table, early hooded cradles, lg. brass bed, oak sofa w/claw feet, oak stack bookcase, oak library table, marple top table, fancy iron bed, high back oak beds, oak bureaus, oak wash stands, oak press back chairs, spool bed, oak rockers, Weller & Wilson oak sewing machine, lg. vanity, lg. oak clothes tree, cone chairs, piano, piano stool w/ball feet, old parlor stove, walnut victrola, old iron lamps, shaker box, small iron safe, wooden tong fork, old benches, lot of nice frames, wooden buckets, wooden washtubs, lg. finger lamp, slipware plate, buffalo pitcher, cruet set, crocks, agateware, coffee grinder, catheral style radio, depression glass stemware, whale oil lamp, old baskets, N. Currier print (Alice), lot of good jars & bottles, (S&B fruit jar, Whitney jars), harness vice, sleigh, sleigh bells, old blacksmiths tool box, old school masters desk, lg. wooden grain bin, anvil, milk cans.

Farmall H tractor w/mower, Farmall A tractor, Farmall M tractor, 4 wheel farm wagon, 1947 Chev. truck, old case combine, horse drawn hay rake, 100 yr. old dump rake, International Tom Thumb gas engine (1905-run at Salem Co. Fair last yr.), Scratch harrows, old J.D. corn combine, 240' barn cleaner chain, clay-barn windows, electric motors, tap & die set, pipe threader set, lot of oak lumber, horse harness, colors, fly nets, field tile, fence posts, many other items (lot of iron).

Auctioneers Note: Owner having sold farm, everything will be sold to highest bidder. Owner moved on farm in 1919 and brought lot of it with them. Don't miss this sale. First farm on right past Four Seasons Campground, south on 581 (Commissioners Pike).

Terms- Cash or Good Check Day of Sale 761-3193

Owner or seller not responsible for loss or injury

Ralph D. Hughes
Auctioneer
589-6454
Lunch Available

PUBLIC AUCTION

FARM EQUIPMENT

NEW YEAR'S DAY - JANUARY 1, 1987

10:00 A.M.

LOCATED: 4 miles West of Spring Grove, PA (York Co.) off Rt. 116 at Porter's Hill Road, turn South 1 mile to 1st cross road, turn West ½ mile to Sale - or 6 miles East of Hanover, PA off Rt. 116.

1977 I.H. 4186D, 4WD, Cab, Heat, Air, PTO, 3 Pt. w/New 28L-26 Deer-Cleat Tires, 1800 Hrs. Excellent Cond.

1967 I.H. 656D Utility 18.4x30, 3 Pt., PTO, 2 Valves, Canopy, Heat Houser, 5100 Hrs. Excell. Condition; 1978 N.H. TR70 Combine w/Ford Eng., 4 Row Wide and 15 Ft. Grain Head w/Pick-up Reel. 1800 Hrs. Excell. Condition; N.H. 735 Dryer. LP Fired, PTO, Batch w/Roof and Transport; 52 Ft. Rubber Belt Grain Elevator Completely Enclosed, PTO Drive; 24 Ft. Mulkey Elevator w/Motor; #50 I.H. Flail Shreader w/New Knives- 540 PTO; 2- McCurdy Gravity Boxes- 200 bu. on Grove L528 Chassie w/Floatation Tires; One Husky Gravity Box- 175 bu. on Grove 6 Ton Chassie; One Flat Bed 7x16 Ft. on Husky 6 Ton Chassie; N.H. Super 77 PTO Hay Baler, Twine Tie, Always Kept Inside; J.D. C-392, 3 Pt. Hitch Seeder Spreader; N.I. #19 Manure Spreader, Good Condition; N.I. #504 Manure Loader, 60" Manure Bucket and 8 Ft. Snow Bucket, Fits All I.H. Tractors w/2-Way System; Century 500 Gal. Low Profile Sprayer w/45 Ft. Boom and Dye Marker. 3 Yrs. Old. Like New; 3 Pt. Hitch 7 Ft. Mower; I.H. #400 Cylco Planter, 4 Row Wide, Dry Fertilizer; #70 I.H. 7 Bottom 14" Trailer Plow w/Yetter Disc Coulters; I.H. 541 4 Bottom 16" Mounted Plow 3 Pt. w/Yetter Disc Coulters; I.H. #645 Vibra-Chisel 22 Ft. w/Wings and Midwest Buster Bar; I.H. #470 Wing Disc Harrow 18 Ft. Good Condition; Chattanoga 20 Ft. Packer w/End-Wise Transport; Two Grain Moisture Testers, Grain Probe; 1973 Chev. Impala 4 Dr. Sedan, Auto, PS, PB and 350 Eng. Good Mech., 115,000; Assortment of Used Tires and Wheels; New and Used Repair Parts.

TERMS: CASH OR GOOD CHECK

SALE CONDUCTED FOR:
BERNARD & REBECCA GARDNER
RD 3 Box 3330
Spring Grove, PA
(717) 225-1959

AUCTIONEER:
Blaine N. Rentzel
Emigsville, PA
(717) 764-6412
PA Lic. #761

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

GOOD'S AUCTION

111 North Maple Ave.
Leola, PA. 17540
Hay, Straw & Grain Sales
Every Wed. At 12 o'clock noon
Auction House
#000014-L

PUBLIC AUCTION

Farm Equipment - Grain Trucks
SAT., JANUARY 3, 1987
10:00 A.M.
LOCATED: 8 Miles West of York, PA Along Rt. 30 West of Thomasville, PA.

TRACTORS

White 2 - 155 w/Cab - Heater and Radio, Dual Hydraulic - 1401 Hours (Like New).
Oliver 1800 Diesel - Wide Front, Dual Hydraulic (Like New).
Oliver 1600 Diesel - Less Than 100 Hrs., Motor Rebuilt, Wide Front, Dual Hydraulic.
Oliver 88 Row Crop - Live PTO (Real Clean).
Oliver 66 Standard Diesel - Live PTO (Real Clean).

TRUCKS

1974 Ford F800 Louisville w/14' Grain Bed and Hoist, 30,000 GVW, 5 Speed, 10X20 Tires, Air Brakes, Power Steering - Like New.
1964 Ford F600 - 14' Grain Bed w/Hoist, 21,000 GVW, 2 Speed, Like New.
Oliver 7600 Combine w/Cab - Air and Heater - 13' Grain Head - 4 Row Corn Head (Real Clean).

EQUIPMENT

Oliver 5X16 Automatic - Reset Semi-Mtd. Plow - Like New, Oliver 4X16 Trailer Plow, Trip Back, BRILLION 14 FT. CULTIMULCHER (wheel inside) (like new), Oliver 32 Transport Disk, RHINO - F90B - 21 FT. DOUBLE FOLD-UP DISK (like new), WHITE - 5600 AIR PLANTER 4 ROW NO-TILL DRY FERTILIZER - MONITOR AND INSECTICIDE BOXES - like new, OLIVER 76 GRAIN DRILL DOUBLE DISK 18, Oliver Model 720 PTO Baler w/Thrower, Oliver Fold-up Field Harrow, Oliver Trailer Sprayer w/Booms, OLIVER 100 WIRE BALER w/WISCONSIN MOTOR - collectors item, 14 Ft. Cultipacker and 2 - 4½ Ft. Cultipackers, J.D. 494A 4 Row Planter w/Dry Fertilizer, 7 Tooth Pull-Type Chisel Plow, J.D. 8 Ft. Disk, 9-10-12 Ft. Cultipackers, J.D. 38 Ft. Elevator w/Drag, Case 38 Ft. Elevator, David Bradley Hay Rake, 2 - Oliver Semi-Mtd. Mowers, Bale Elevator, Spring Harrows, 2 Wagons w/14 Ft. Grain Beds and Hoist, 2 Wagons w/16 Ft. Thrower Racks, 4 Row Oliver Culti., Spike Harrows, Side Dresser for Oliver Culti., 4 Cylinder Wisconsin Motor w/Clutch, ANTIQUE GRAIN SCOOP, Cab for 66-77-88, Oliver 3X14 Trailer Plow, 750 Gal. Steel Tank, Used Tractor and Truck Tires, 150 Gal. Fuel Tank w/Pump, Saddle Tank for Truck, 30 Ga. Tank and Pump, Hydraulic Cylinders, Alum Single Chain Elevator, Corn or Coal Chute, J.D. AUGER WAGON (like new), Narrow Front for 1800 Oliver Tractor, Wagon w/Sides, Oliver H7 Manure Spreader - Ground Drive (like new), 24 Ft. Extension Ladder, 12 Boxes of Baling Wire, Parts for Oliver 35 and 545 Combine, Wagon Load of Small Items.

GRAIN EQUIPMENT

G.T. 370 Grain Dryer - Bottled Gas (Like New), 6"X20' Auger w/Gas Motor, 2 - 4" Grain Augers, Hexagon Corn Crib 12'X12', Moisture Tester, Quick Hitch for Large Tractor, 9 White Front Weights, M.M. Model D Corn Sheller w/30' of Drag, Belt Driven.

NOTE: THIS EQUIPMENT WAS ALWAYS KEPT IN DRY AND IN FULL READY CONDITION.

TERMS: CASH OR GOOD CHECK

SALE CONDUCTED FOR:
RUBY & LARUE SHELLENBERGER
RD 1 Thomasville, PA
(717) 225-1445

AUCTIONEER:
Blaine N Rentzel
Emigsville, PA
(717) 764 6412
PA Lic. #761

LUNCH BY ROTH REFORMED CHURCH

TUES DEC. 30 11AM Hoosier Auction Farm Machinery Auction, Eagle Bridge, NY 30 mis E. of Albany, Rt 22 and 67 N Hoosick, NY John L Calhoun, Auct

TUES. DEC 30 - 11AM Farm Mach., Produce, HH Crandell Rd., 10 mis E of Wellsville, 4 mis. S of Andover. Take Independence off Rt 417 1 mi E of Andover and follow arrows For Mr & Mrs Wilmer Martin Roy Teitsworth, Inc , Aucts

TUES. DEC. 30 - 11AM Farm Eq., Trucks, Buggy, Cart, Hay & Straw Between (Allentown & Hamburg), 1 mi W of the village of Krumsville along old Rt. 22, Greenwich Twp., Berks Co., PA By Raymond B Long Ralph W Zettlemoyer Auct Co , Inc

WED DEC 31 10AM Tractors, Farm Eq , Tools, Straw York Co , PA Rt 30 to Hellam Exit, S across Rt 462 (E. Market St) onto Freysville Rd., 2 mis to Fry's Lane on left, 1st farm on right For: Mr & Mrs Richard E. Dietz Blaine N. Rentzel, Auct.

WED DEC 31 - 10AM 110 Holsteins and big line of modern farm machinery and produce Bruce Cornell, Greenwood, Steuben Co , New York Pirrung Aucts., Inc.

WED DEC 31 - 10AM Annual Harper Implement Co , Inc., Auction of Farm Eq , Trucks Swayzee, Indiana, 12 mis to Marion, 16 mis. to Kokomo 2 block S of the traffic signal light and then 2 blocks W. of State Rd. 13 in Swayzee, Indiana, 2 mis N of U S 35 & SR 13 intersection. Schrader Real Estate & Auct Co , Inc.

WED DEC. 31 - 12 Noon Slocum Acre Farm 52 Head Reg & Grade Cattle Hatch Hill Rd., New Albany, PA, turn W. off Rt 220, just N. of the town 12 mis S. of Towanda, PA Bradford Co. Glenn P Shores & Howard W Visscher, Aucts

JANUARY

SAT DEC 27 - & THURS. JAN. 1 - 9AM Former Inventory Billmyer's Jewelry Store, Akron Fire Hall, E. Main St., Akron, Lanc. Co., PA. PA Turnpike Exit 21 to Rt. 272 to Akron, turn E. on Main St. Terms by: The Ephrata National Bank. T. Glenn & Timothy G. Horst, Aucts.

THURS JAN. 1 - 9AM Annual Consignment Sale of Farm Eq. From I-81 S of Martinsburg, W. Virginia, take Exit #5 (Inwood), WV, Rt. 51 E. approx. 3½ mis. to Shutt's Cash Grocery (Formerly Haines'), turn right, .2 of mi. to sale. Edgar A Bohrer, Sale Mgr.

THURS. JAN. 1 - 10AM Public Auction of Modern Farm Equipment. Located 4 mis. W. of Spring Grove, PA. York Co. off Rt. 116 at Porter's Hill Rd., turn S. 1 mi. to 1st cross road, turn W. ½ mi. to sale. Or 6 mis. East of Hanover, PA off Rt. 116 Sale conducted for Bernard & Rebecca Gardner Auctioneer, Blaine N. Rentzel.

THURS. JAN 1 - 10AM Farm Eq , Truck. From the square in Red Lion, take Rt. 24 S. approx. 4 mis. to Pleasant View Rd. (across frm Pleasant View Church). Turn left and continue to sale. Gregory & Beth Innerst, Owners Melvin Haines & Ralph Brenneman, Aucts.

THURS. JAN 1 - 10AM Antiques, Glassware, Guns, Clocks, Dudley Watch, Tin, Iron and Furniture. Johnson's Auction, 17 New Haven St., Mt. Joy. H Edw Johnson, Auct

THURS. JAN. 1 - 11AM Consignment Auction of Older Farm Toys at New Holland, PA, Fire Hall Dale Stoltzfus, Auct. 717-768-3554

FRI JAN 2 - 9AM Farm Eq. New Holland Sales Stables, Inc , New Holland, PA. Abe Diffenbach, Manager

FRI JAN. 2 - 10:30AM 300 Head Reg & High Grade Holsteins. At Shady Lane Dairy Sales, Inc., ¼ mi. W. of Quarryville, off Rt 372 on Oak Bottom Rd Mr. & Mrs. John Reeves, Forest Hill, MD, Owners Glenn & David Fite, Owners

FRI JAN 2 - 11.30AM 90 Head Top Reg. Holsteins, Barn Eq. At S&S & Sons, Inc , Dairy farm (the former Robert Connolly Cedar Hill Farm Herd) Orams Lane Rd., off Rt 31 in the edge of the town of Oxford, New Jersey From PA, use Rt 78 to Rt 57 to Rt 31 N. From NY State, use DE Water Gap to Rt 46 to Rt 31 S Col Fred R Daniel Aucts , Inc & Mel Manasse, Aucts

SAT JAN 3 - 9.30AM Antiques, Collectibles, Crafts & Coins Located at the Brickerville Fire Hall, Brickerville, PA E M Murry Associates, Aucts

SAT JAN. 3 - 10AM Farm Eq , Trucks, Grain Dryer Located 8 mis W of York, PA, along Rt 30 W of Thomasville, PA Larue and Ruby Shellenberger, Owner Blaine N Rentzel, Auct 717-764-6412

SAT JAN 3 - 10 30AM Antiques, Farm Eq for Mr Charles Goforth, Commissioner's Rd , (Rt 581), Daretown, NJ Ralph D Hughes, Auct

MON. JAN 5 - 10AM Farm Eq N of Wapakoneta on State Rt. 501 to the Buckland-Holoen Rd., turn W., first farm on the north side. Karl & Becky Whetstone, Owners Schrader Real Estate & Auct. Co., Inc.

THURS JAN. 8 - 9AM HH, Antiques, Shop Tools Lanc. Co., PA, 2½ mis. NE of Intercourse on New Holland Rd. From Rt. 340 go N. 1 mi. on New Holland Rd., 2½ mis. S on New Holland. Samuel R Beiler Steve Petersheim & Steve Jr., Aucts

THURS & FRI. JAN. 8 & 9 - Large Two Day Sale of Farm Eq , etc , at our place of business, 1 mi E of Marion, PA, off Rt 81 Ralph W Horst, Manager

FRI. JAN 9 - 10AM Horse Sale New Holland Sales Stables, Inc , New Holland, PA Abe Diffenbach, Manager

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WILMER MARTIN COMPLETE FARM DISPERSAL

FARM MACHINERY PRODUCE HOUSEHOLD

TUESDAY, DECEMBER 30th, 1986
At 11:00 A.M.
Andover, N.Y.

Discontinuing farming and moving out of state, the Martin family will sell this well maintained line of equipment. Wilmer is a good mechanic and keeps machinery in good shape.

Auction will be held at the farm, Crandell Road, 10 miles East of Wellsville, 4 miles South of Andover. Take Independence off Rte. 417, 1 mile East of Andover and follow Auction arrows.

SELLING: 1977 M.F. 1155 tractor w/cab & duals; 2 remotes, excellent shape; 1976 MF 285 tractor w/quick attach loader & chains, very nice shape; 1977 Ford F350 truck w/12' flat rack w/sides; MF 510 diesel combine w/grain head & hume reel; (2) 10'x18' oak basket wagons w/10T running gears; NH 275 hay baler w/thrower; JD 3800 chopper w/2 row and pick-up heads, nice shape - also high flotation tires for chopper; MF 33 grain drill, like new!; Nufield 465 tractor for parts; 400 gal. crop sprayer w/centrifugal pump; NI 218 single beater manure spreader; Dump wagon; Tilt Top trailer; Farmhand 5 wheel rake; MC 9 ft. flail mower; OMC 217 haybine; MF 720 12' heavy tandem disc; MF 880 5x18" plow; 16' Pittsburg drag; Dunham 10' side transport cultipacker; JD 494A corn planter; 3 pt. V type chisel; (2) gravity wagons; Frey cattle squeeze chute; 30 new rolls barbed wire; 165 bags 19-19-19 fertilizer - kept good and dry.

SHOP TOOLS: Transit; 40' extension ladder; electric motors; wheel weights; bench grinder; grain aerators; plow coulters; 300 locust posts; misc. steel; 1"x2" corn crib wire; air compressor; air impact wrenches; socket sets; electric drills; chain & binders; floor jack; Stihl chain saw; power saw; shelves; nuts & bolts; tool boxes; dehorners & vet supplies; platform scales; Cub 108 lawn tractor w/mower; a quantity of firewood; 45 Martin freestalls.

PRODUCE: 3600 bales of alfalfa mix first cutting hay; 1800 bales first cutting heifer hay; 1200 bales barley & oat straw; Approx. 150T good corn silage in upright silo; Approx. 600T good corn silage in bunk silo (all silage can be easily removed).

HOUSEHOLD: (sells first) Oak clawfoot double pedestal table; older sofa & chairs; dressers & end tables; sofa bed; 6 drawer desk; gas heater; FM intercom; stereo set; 33 MM camera; night stand; canning jars; strawberry boxes; other misc. household items.

ALSO SELLING for Mr. Melvin Stebbins, Whiteville, N.Y. this nice line of equipment: N.H. 278 baler; NH 479 haybine; NH 256 rubber teeth rake; Fahr tedder, 82) 8x16 basket wagons; (4) 8x16 NH crop drying wagons; hay preserve & moisture tester; Case 12' disc; Case 5x16 hyd. reset plow; Pittsburg 12' drag; Brillion 10' cultipacker. (All equipment is in good shape)

TERMS: Cash or good check auction day.

Owners:
MR. & MRS. WILMER MARTIN

Send in NOW for the 1986 Real Market Report.

Subscriptions available at $8.00 per year, entitles you to receive up to date information on what equipment sold for and in what condition. Send in your money along with complete mailing address to above address.

Roy Teitsworth, Inc.
PROFESSIONAL AUCTIONEERS
716-243-1563
6502 Barber Hill Road
Geneseo, New York 14454

SHORT NOTICE

PUBLIC AUCTION

132-ACRE FARM
MON., DECEMBER 29, 1986
Auction Time: 1:00 P.M.

Located along Harvest Road, Elizabethtown, Pa. From square in E-town take East High St. (E-town—Manheim Rd.) Approx. 4 miles to trail road. Turn left ½ mile to Harvest Rd., turn right on Harvest to property on right. Mt. Joy Township, Lancaster County, Pa.

Tract No. 1: 55 Acres, 38 Tillable Pasture with Stream

DOUBLE 2½-STORY SANDSTONE AND FRAME DWELLING. Side No. 1 contains kitchen w/built-in cabinets, large living room, dining room, 1½ baths, 3 bedrooms. Side No. 2 contains kitchen, living room, dining room, 3 bedrooms, bath. Each side has its own oil fired radiator furnace.

Large Bank Barn

Set Up For 150 Steers & 150 Hogs; 20'x65' Stave Silo with Unloader; 60' Taperboard Feeder & Bunk; All Stables are Concreted.

Large Tobacco Shed

W/Cellar and Stripping Room.

4-Car Block Garage

W/Workshop; Corn Barn w/2 Cribs; Macadem Drive; Well & System.

Tract No. 2:

Approx. 44 Acres, Mostly Tillable, w/A Few Acres of Woodland.

Tract No. 3:

Approx. 33 Acres Farmland w/Some Woodland, Pasture w/Stream.

NOTE: THESE TRACTS TO BE OFFERED SEPARATELY, OR AS ENTIRETY. Total Road Frontage Approx. 1 Mile. A Very Nice Lancaster County Farm w/Amish Living Within 4 Miles. All Herein Information Is Believed To Be Accurate But Is Being Used For Advertising Purposes Only.

TERMS: 10% Down Day of Auction. Balance at Settlement on or Before April 1, 1987. If in need of assistance to obtain financing, or need transportation to see property, call Paul E. Martin, 717-733-3511.

OPEN HOUSE: Saturday, December 20th & 27th from 12:00 Noon to 3:00 P.M., or by appointment, call 717-665-3585. Balance of farm may be seen anytime.

Conditions of Sale
By Paul S. Diehm

Auction By:
LLOYD H. & KATHRYN H. WENGER
Phone 717-626-5397

Auction Conducted By:
J.&P. AUCTIONS
Paul E. Martin, Auct
AU-001601-L
Ephrata, Pa. 717-733-3511
John D Stauffer, Auct.
AU-001509 L
Lititz, Pa 717 665-5099

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

SAT. JAN. 10 - 9AM Full Line of Farm Mach., HH, Antiques. Lanc. Co., PA. 6 mis. E. of Intercourse, 1 mi. W. of White Horse along Rt 340, 15 mis. E. of Lanc. City. Hershey & Magerurite Kurtz. Steve Petersheim & Steve Jr., Aucts.

SAT. JAN. 10 - 9AM PA All Breed Gilt Show. Farm Show Bldg., Harrisburg, PA, Small Arena. PA Co-Op Swine Breeders Assn.

SAT. JAN. 10 - 9AM Antiques, HH, Tools, Car & Van. 490 Howard Ave., Ephrata, PA. Corner of Pine St. & Howard Ave. Terms by: Wm. L. Bachl Estate. T. Glenn & Timothy G. Horst, Aucts.

SAT. JAN. 10 - 9:30AM Farm Mach. Kessler Produce, Rt. 524E, Box l403, Farmingdale, NJ. E. on 195, off at Exit 31B to Rt. 524, R. on Rt. 524E, Pass Allaire State Park, around corner onR. Lee Parker, Auct. Norman Parker, Sale Mgr.

SAT. JAN. 10 - 1PM Farm Toy Auction. The Jack Hussey Collection at the Fire House Museum, Springfield Center, NY. Goodrich Auction Service. Dave Nolt, Manager.

MON. JAN. 12 - 12 Noon Truck, 2 Tractors, Orchard Eq., Bulk Bins, Crates. Midway between Fairfield, PA, and Cashtown, PA, in village of Orrtanna, PA Adjacent to Knouse Foods Coop J Kenneth Biesecker, Owner C David Redding, Auct

MON & TUES JAN 12 & 13 - 10AM PA All Breed Gilt Sale, Farm Show Bldg., Harrisburg, PA, Small Arena PA Co-Op Swine Breeders Assn Harry Bachman, Auct

THURS. JAN. 15 - 9:30AM Big Potato & Dairy Farm Auction for Chas. Flock & Sons, Rt. 34, Colts Neck, NJ. Col. Fred R Daniel Aucts, Inc.

THURS. JAN. 15 - 9AM 47 Acre Dairy Farm, Hi Grade Holstein Herd, Farm Mach., Milking Eq., Feed Dauphin Co., PA, 8 mis. E. of Millersburg, 2 NW of Berrysburg form Rt. 25 go N. on Rt. 225 to Shippen Dam Rd. left to Miller Rd. right. David B. & Barbara K. Stoltzfus, Owners. Steve Petersheim & Steve Jr., Aucts.

SAT JAN. 17 - 9:30AM 70 Acre Farm, Livestock, Farm Eq., Crops. 6 mis. S. of Quarryville, 4 mis N of Wakefield. Just E. of Rt. 222 along Fulton View Rd. Little Briton Twp., Lanc Co., PA Jacob M. & Rachel E. Stoltzfus, Owners Diffenbach Aucts.

SAT. JAN 17 - 10AM Valuable 74 Acre Dairy Farm, Farm Mach , HH Rt 272 S. of Lancaster, PA, 5 mis S. of the Buck turn W. on Goshen Mill Rd., 2 mis. to farm Drumore Twp., Lanc. Co Terms by. E Wayne & Dorothy Gore. Kreider, Kline, Good, Shirk, Aucts

SAT. JAN 17 - 10AM Late Model Farm Eq. King Rd., accessible from either MD Rt. 34 or Rt. 67 just S. of Bonsboro, Washington Co., MD. Gilmore Farms. Mr & Mrs. Wm. F Gilmore Robert C Mullendore & James G. Cochran, Aucts.

FRI. JAN 23 - Interstate Milk Producers Closing Out Supply Store from Christiana. Held at Solanco Fair Building. J. Everett Kreider, Auct.

ABSOLUTE AUCTION

COMPLETE BUSINESS LIQUIDATION
CORVAIR'S LOUNGE
formerly Old Colony Restaurant
1281 Manheim Pike, Lancaster, PA
MONDAY, DEC. 29, 1986
AT 1:00 P.M.
EQUIPMENT FIXTURES

Comstock-Castle Broiler/ Stove/ Grill/ Oven Comb., Gas Deep Fryer, Ansul System w/Stainless Hood, Manitowoc 400 Ice Maker 650 lb., Beverage Air 3 & 4 Keg Tap Systems, Pinnacle Display Refrigerator, Perlick Bottle Cooler & Tap System, Electric Aerohot 5' Steam Table, Glenco 2 Door Refrigerator, Postmix Soda System w/10 Wands, two 3 Bosh Stainless Sinks, 4 NCR Cash Registers, Bevador 20 Case Bottle Cooler, Hot Dog Machine, Stainless Work Table, Coldspot Freezer, Toaster, Amano Time Clock, 36 24" Tables, 52 Stacking Chairs, 60 Bar Stools, 4 Booths, Ice Bins, Tappan Microwave, 34 Seat Triangular Bar, 30 Seat Triangular Bar, Hand Railing, Bottle Racks, Movie Posters, Neon Signs, Beer Signs & Lights, Cigarette Machine, 3 Telephones, Menu Boards, Sign Boards, Glassware, Utensils, Track Lights, Coat Racks, Dishes, Other Related Items!

OFFICE FURNITURE, MISC. ITEMS

Zenith 25" Color TV, Seeburg Juke Box, Advance Parking Lot Sweeper, 10' & 6' Suits of Armor, Office Desk, 4 Drawer File Cabinets, Calculator, Answering Machine, Heater, Ladder, Cleaning Supplies, Circular Saw, Tools, Other Items.

SOUND & LIGHTING EQUIPMENT

Yamaha P-520 Turntable, Technics Turntable, Pyramid Mixer Equalizer, Heil Power Amp, Dod Graphic Equalizer, Light Control, Pinspot Lights, Mirror Ball, Track Lights, Other Items!

DOORS OPEN 9:00 A.M. for Inspection. Complete Removal by December 30, 1986 at 6 P.M.

CORVAIR'S
GLENN CARTER, Owner

KERRY PAE AUCTIONEERS
4613 NORTH FRONT STREET
HARRISBURG, PA 17110
(717) 236-3752

AU 1367

PUBLIC SALE

OF VALUABLE COMBINE, TRACTOR TRUCKS & FARM MACHINERY
THURSDAY, JANUARY 1, 1987
AT 10:00 A.M.

LOCATION: From the square in Red Lion, take Rt. #24 South approx. 4 miles to Pleasant View Rd. (across from Pleasant View Church). Turn left and continue to sale. Watch for sale signs.

Gleaner MKS combine w/new motor, grain saver, automatic auger, header height control, #438 corn head, 13' grain table, Love floating cutter bar, hydraulic pick-up reel, sharp.
Grain Chief 450 bu. batch dryer w/PTO.
International 574 diesel w/wheel weights, front weight bracket, wide front end, 3100 hours, 85% rubber.
1971 International 1890 Load Star truck w/16' alum. van body, 392 engine, air brakes, 33000 gross weight, 2-speed rear, 145,825 miles.
Allis Chalmers 600 4-row no-till corn planter w/liquid fertilizer, Demco squeeze pump, Dicky John monitor.
IH #550 5/16 semi-mounted plow.
IH #550 plow for parts.
Oliver #252 12' transport disc.
Brilliant 12' cultipacker w/4" axle.
Dunham 9' cultipacker.
Allis Chalmers 15 hoe drill - seed/grass.
MF 9-tooth chisel plow.
MF 3 pt. wheel rake.
John Deere #224T baler w/ejector, nice.
2 Country Boy 200 bu. gravity boxes, like new.
Grove running gear.
21' Bale King Hay Wgn. w/8 ton JD running gear.
Lely 3 pt. fertilizer spreader.
Walsh 250 gal. 8-row trailer sprayer w/hyd. pump.
(2) 150-gal Walsh tanks.
Mayrath 24' elevator, no motor.
Allis Chalmers 16½ field cultivator w/3' hyd. wings on wheels.
AC & JD corn planter plates, iron piles.
Few small wagon items.

TERMS: Cash or good & approved check. Out of state buyers must have letter of credit from bank.

NOTE: Mr. Innerst is discontinuing crop farming and therefore is having public sale. Lots of nice equipment. Come early.

OWNERS:
GREGORY & BETH INNERST
RD#3 Red Lion, Pa. 17356
(717) 246-1738 or 244-6068

AUCTIONEERS:
Melvin Haines 764-2241
Ralph Brenneman 741-1728
Lic.# 379L 708L

Not responsible for accidents.
Refreshments served.

PUBLIC AUCTION

PUBLIC AUCTION

FARM EQUIPMENT; TRUCKS
MONDAY, DEC. 29, 1986
at 10:30 A.M.

Between (Pennsburg & Quakertown), turn S. off Rt. 663 onto Geryville Pike approx. 2 miles, turn E. onto Finland Rd. for 1 mile to farm, Montgomery Co. Pa.

TRACTORS
JD 4020 diesel, wf, duals, nice condition; 2- D-17 AC tractors.
TILLAGE
D 145 semi mtd. 5-16" pl; three bot. 2 pt. snap coupler pl; JD BWA 13' transport disc; Brillion 12' inside wheels roller harrow; Dunham 9' roller harrow; Hutch Master 10' rolling disc pl; AC 16' wing field cultivator; 12' spring tooth harrow.
HAYING
Int. 990 mower conditioner; NH 456 mower; JD 38-7' mower; NI hay conditioner; NH rake; NH 68 hayliner baler; four wheel farm trailers.
PLANTING & MISC.
Int. 510-16 dbl disc grain drill; MC two pull type C planter; Dunham 165 bu. gravity wagon; NI 6"-41' transport grain auger; NI #106 fert & grass seed spreader; NI #7 C husker; 3 pt. 150 gal. poly tank weed sprayer w/30' boom; 3000 bu. grain bin 18' wide.
COMBINE
Int. 141 w/10' grain head (field ready).
MISC.
JD manure spreader; 40' ext. ladder; 275 gal. skid fuel tank w/pump; Gyro 3 pt. seeder; 7' snow bucket; Dynamark 11 hp riding mower.
TRUCKS
1970 Ford dump w/10' body & 42" sides; 1978 Ford 150 Ranger pickup.
Terms- Cash or acceptable check

Ordered by
LINFORD NACE & CLYDE BECK
Conducted by
Ralph W. Zettlemoyer Auction Co. Inc.
(215) 395-8084
Pa. license # AU-001809-L
Refreshments available

P.O Box 215 • Fogelsville PA 18051 • 215 395 8084 • License #AU001809 L
RALPH W. ZETTLEMOYER AUCTION CO. INC.

ANNUAL PUBLIC SALE

From Interstate 81 South of Martinsburg, West Virginia, Take Exit #5 (Inwood) WV, Route 51 East Approximately 3½ miles to Shutt's Cash Grocery (Formerly Haines') Turn right - .2 of a mile to sale -- OR -- From Charles town, WV, Take Route 51 West, Go approximately 8½ miles to Shutt's Cash Grocery - Turn left - .2 of a mile to sale.

THURSDAY, JAN. 1, 1987
AT --- 9:00 A.M.

TRACTORS AND EQUIPMENT: Approximately 20 - 25 tractors including Cubs, Fords, John Deere, Internationals, Fergusens and other tractors. We will also be offering 2 and 3 axle trailers, a good selection of plows, cultivators, wagons, new and used rotary cutters, 6 and 7 foot blades, post hole diggers, discs, wood saws, rakes, balers, round balers, gran elevators, corn pickers, corn planters, and other farm related articles.
We will also be offering a good selection of NEW AND USED TOOLS – Canned goods, hams and other food items. Some Household articles Cuz of Pennsylvania will be here with watches, tapestries, crystal and sewing material
TERMS: CASH OR GOOD CHECK. NOTHING TO BE REMOVED UNTIL SETTLED FOR. ID REQUIRED TO ACQUIRE BIDDING NUMBER.

EDGAR A. BOHRER, SALE MGR.
WV Lic. #18-87
304-229-8354

NOTE: THIS IS A CONSIGNMENT SALE. Let us turn your unused farm articles, household articles, and antiques into cash for you. If you are considering having an auction, please contact us. We would be pleased to serve your needs.
ORDER OF SALE: SMALL ITEMS: Tools, household articles, food, etc will be offered promptly at 9 am; TRACTORS AND EQUIPMENT: Wil be offered promptly at 12 NOON.
NOT RESPONSIBLE FOR ACCIDENTS ON PREMISES
LUNCH RIGHTS RESERVED

PUBLIC AUCTION

OF VALUABLE ANTIQUES- OLD JEWELRY- COLLECTIBLES- DISHES- GLASSWARE & PERSONAL PROPERTY

ON TUESDAY, DEC. 30, 1986
At 9 A.M. Sharp

At Springetts Fire Co. Social Hall 3013 E Market St , York, Penna
Selling At Absolute Auction For Several Consignors Preview Showing Mon Eve Dec 29 7 P M to 8 30 P M Doors Open Tues At 8 A M

Not Responsible for Accidents.
Terms: Cash- Certified or Travelers checks.

BRIAN L. GILBERT #2256
& JACOB A. GILBERT #336
Auctioneers & Sales Managers- 252-3591

PUBLIC AUCTION

New Holland Sales Stables, Inc.
New Holland, Pa.

Tractors & Horse Drawn Farm Equipment-Supplies-Small Items

FRIDAY, JANUARY 2, 1987

SALE OF SMALL ITEMS 9:00 A.M. **FARM EQUIPMENT 10:00 A.M.**

Spring Wagon; Snoco Grain Auger Wagon; #65 Gehl Mixer; NI #17 Manure Spreader; #861 Ford Tractor; Ford Jubilee Tractor; NI #218 Manure Spreader with beater and endgate; NH 404 Hay Crimper.

New customers and out of state buyers must have current bank letter of credit with guaranteed amount or cashier checks

For more information contact Abe Diffenbach or Norman Kolb at 717-354-4341

NEXT FARM MACHINERY SALE FEB. 13, 1987
Abe Diffenbach, Manager

PUBLIC AUCTION

Valuable 74 Acre Dairy Farm
Farm Machinery - H H Goods
SATURDAY, JAN. 17, 1987
Sale 10 A.M.
Real Estate 1 P.M.
Located Rt. 272 South of Lancaster, Pa. 5 Miles South of the Buck turn West on Goshen Mill Rd. 2 Miles to farm. Drumore Twp. Lanc. Co.

Real Estate consists of 74 Acres more or less of Chester silt loam soil, approx. 65 A. tillable, 8 A. pasture, balance occupied by bldgs. Zoned agriculture. Road frontage on three sides. The house a 2½ story frame dwelling w/alum siding, slate roof. 1st Floor: kitchen w/modern built in pine cabinets, stove & dishwasher, dining room, living room, storage room, powder room, laundry and open stairway. 2nd Floor: 6 bedrooms, full bath. Storm windows & doors, attic, basement, oil hot air heat. 4'x 24' round above the ground pool. Frame bank barn approx. 45'x 72', slate roof, loafing area underneath, liquid manure system, metal 12 ton feed bin, 16'x70' concrete stave silo w/unloader. Bunk feeder w/60' belt feeder. 6 Stall milking parlor, 1000 gal. Dari Kool milk tank. 3 Trenches. Metal 66 free stall barn 45'x 75'. Metal 54'x 80' heifer barn & implement shed combined. Corn barn wire corn crib.
Aucts. Note: Farm is ready for use. Immediate possession. 10% down, balance upon settlement. Insp. each Sat. prior to sale.

Terms by
E. WAYNE & DOROTHY GORE

Atty. William Campbell
Aucts. Kreider, Kline, Good, Shirk
AU000513L 717-786-3394

Kreider & Kline Auctioneers

Dairy and Livestock Sales

Public Auction Register

250-350 HEAD SPECIAL HORSE SALE WORK HORSES-MULES & DRIVING HORSES

FRIDAY, JANUARY 9, 1987

AT NEW HOLLAND SALES STABLES, INC.
12 Miles East of Lancaster, Pa. just off Rt. 23, New Holland, Pa.
Tack 9:00 A.M. Sale 10:00 A.M.

* 2 Load Work Horses, Mules, and Driving Horses consigned by Ward Wright.
* 1 Load Work and Driving Horses consigned by Bub Leonard.
* 1 Load Driving Horses consigned by Clayton Waterbury.
* 1 Load Driving Horses consigned by Jonas Beiler.
* 1 Load Driving Horses consigned by Reuben G. Stoltzfus.
* 1 Load Driving Horses consigned by Elam B. Stoltzfus.
* 1 Load Saddlebred Driving Horses consigned by Christ Stoltzfus.
* 20 Head Work Horses from Michigan consigned by Dave Bishop.

Plus many more consignments by sale time.

For more information contact:
Abe Diffenbach, Mgr. 717-354-4341
Norman Kolb 717-397-5538

NEXT HORSE SALE JAN. 23 10:00 A.M.

FRI JAN. 23 - 10AM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA. Abe Diffenbach, Manager.

SAT. JAN. 24 - 10AM Farm Eq. Located Marlow, W. Va., from I-81 N. of Martinsburg, take Marlow Exit to Rt. 11 N. turn right onto Broad Lane to sale. Donald Reid, Owner Edgar A Bohrer, Auct.

WED. JAN. 28 - 10AM Modern Dairy Eq. from double 10, double 6 and single 6 milking parlor. All w/Boumatic automotic takeoffs Terms by: Oxview Farm, Oxford, PA, Chester Co J Omar Stoltzfus & Leon Kurtz, Auct.

THURS. JAN. 29 - 9AM Registered Holstein Herd, Farm & Milking Eq. Lanc. Co., PA. 9 mis. E. of Lanc. City, 2 mis. SE of Intercourse on Osceola Mill Rd. Amos S. & Lydia Smoker. Steve Petersheim & Steve Jr., Aucts.

FRI. JAN. 30 - 11AM Farm Eq. From Rt. 222 go N. on Rt. 897 for 5 mis., turn right onto Texter Mountain Rd., go 3 mis. to left at sign for Newmanstown. 1 mi. to sale. From Rt. 419 turn S. at red light in Newmanstown, follow main rd. for 3 mis. to sale, Lebanon Co., PA Terms by. Clarency & Anna Ruth Martin. Horning Farm Agy, Inc, Alvin Horning & Merle Eberly, Aucts

FRI. JAN. 30 - 11AM 40 Fresh Cows and Heifers. Ulysses, PA Jerry Pirrung, Sales Mgr

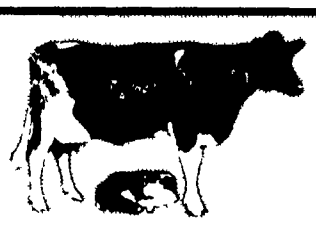
SAT JAN 31 - 8 30AM Tack, 10:30AM Horses Consignment Horse Sale Keister's Middleburg Auct. Sales, Inc., Rt. 522, 3 mis. E. of Middleburg, 5 mis. W. of Selinsgrove, PA. Don & Walt Keister, Owners.

FEBRUARY

FRI. FEB. 6 - 10AM Horse Sale. New Holland Sales Stables, Inc., New Holland, PA. Abe Diffenbach, Manager.

SAT. FEB. 7 - 10AM 7 acre Farmette & Personal Property. Located Salisbury Township, 1½ mile North of White Horse, turn off of Rt. 340 on Cambridge Rd to the corner of Seldomridge Rd. & Kauffroth Rd., Lanc. Co., Pa. Terms By: Mary A Miller Aucts Robert E. & Jeffrey R. Martin & Frank L Steller.

FRI. FEB. 13 - Barry Johnon Farm Machinery, Airville Area, York Co J Everett Kreider, Auct.



Complete 2nd Herd Dispersal

at the Shady Lane Dairy Sales, Inc.
¼ mile West of Quarryville

January 2, 1987 At 10:30 AM

Blizzard Date - January 3, 1987

300 HEAD REG. AND GRADE HOLSTEINS 300

This sale consists of complete herd of Mr. and Mrs. John Reeves, Forest Hill, Maryland.
36 mature young milking animals
7 springing heifers
13 ready to breed
11 smaller heifers
1 real good big bull ready for heavy service

Also Selling At 1[illegible]:30 AM

100 head registered heifers 3 months to fresh
100 head mostly breeding age heifers.
These heifers are all right off farm. A large number calfhood vacc. 17, real good heifers all calfhood vac., wt. 600 lb. Nice heifers sell first & 40 head reg. and grade fresh recently or due in Jan.-Feb. A Couple Good Stock Bulls

Farmers and Dealers: This is a Large Sale. Plan to spend Jan. 2nd at 10:30 AM till ? with us.

Shady Lane Dairy Sales, Inc.

23 Shady Lane
Quarryville, PA 17566

PHONE
Glen 1-717-786-2750
Dave 1-717-786-1725

"Six Generations of Sales & Service"

WHETSTONE

NORTH OF WAPAKONETA, OH — **AUCTION** — **SOUTHWEST OF LIMA, OHIO**

MONDAY, JANUARY 5, 1987 at 10:00 AM

LOCATED: North of Wapakoneta on State Route 501 to the Buckland-Holoen Road, turn west, first farm on the north side. Watch for signs.

SELLING ONE OF THE SHARPEST LINES OF USED EQUIPMENT AVAILABLE IN TODAY'S MARKET

JD 6620 - JD CORN HEAD - JD 4640 - JD 2440

JD 6620 hydrostatic combine w/cab air, heat 28L x 26 front tires, 11 2 x 24 rear tires, approx 900 hours, Serial #456037 VERY CLEAN, JD 220 flexhead w/extra knife, JD 643 corn head JD header wagon 6 00 x 16 tires, JD 4640 diesel tractor w/20 8 x 38 rear tires & axle mount duals, 14L x 16L front tires, 50 gal auxiliary fuel tank 10 front weights dual remote hydraulics quick hitch 1475 hours, Serial #014229R, JD 2440 diesel tractor 11L x 15 front tires 16 9 x 28 rear tires, 1 remote hydraulic, approx 950 hours

6 x 30" PLANTER - SI SPLITTER - 13 x 15" & 6 x 30" CULTIVATORS - JD DRILL - 1200 GAL. SPRAYER - JD ROTARY HOE -

6 x 30' JD 7000 planter w/no till coulters trash whippers liquid fertilizer herbicide & insecticide brackets for pop up fertilizer monitor 7 row SI splitter w/trash whippers, excellent condition 13 x 15" Danish tine cultivator on Orthman bar w/hydraulic fold stabilizer wheel & jolly cranks excellent 6 x 30' danish tine cultivator w/rolling shields, SHARP 6 x 30" Lilliston cultivator good shape 21 x 7' JD 8300 drill w/grass seed attachment excellent condition SS 1200 gallon sprayer w/45' or 60' hydraulic fold booms walking beam tandem axles Raven electric controls, Flomax 5 hydraulic pump for high volume spraying Ace hydraulic high pressure pump, shock absorber booms, 12 5L x 16 tires, drops & extra nozzles, SHARP, 21' JD 400 rotary hoe

IH 495 DISK - MILLER DISC - JD FIELD CULTIVATOR - V-RIPPER - POLY TANK - TRANSFER PUMP - STEEL TANK - ROPE WICK

24' IH 496 disc w/Remlinger 3 bar harrow, hydraulic fold, leveling crank, 19½" blades, excellent, 12' Miller disc, Series II w/24" blades 5/16" thick front ¼" thick back, leveling cylinder, 24' JD 1000 field cultivator w/Remlinger 3 bar harrow, walking beam axles, new shovels 7 shank V ripper w/shear bolt standard, 2 extra shanks & new points & heels, 1100 gallon poly tank, 3 HP Briggs & Stratton transfer pump w/hose 550 gallon steel tank, 20' rope wick applicator w/brackets for 48 loader, 4" pipe, ¼ wall

(6) HOPPER WAGONS - (2) FLAT BED WAGONS - CLAY HONEY WAGON - NI SPREADER - PAX HOG FEEDERS - NEW & USED TIRES ON RIMS

(3) Killbros 375 hopper beds w/20' extensions on 1075 JD gears, (2) with 10 00 x 20 tires (1) with 8 25 x 20 tires, adjustable tongue (2) Killbros 350 hopper beds w/20" extensions on 1065 JD gears, 12 5L x 15 tires, adjustable tongue, Killbros 300 bed on JD 965 gear 9 5L x 15 tires adjustable tongue, Killbros hyd auger 16' flat bed wagon w/sides on JD gear older flat bed, 800 gallon Clay honey wagon w/vacuum pump, 9 00 x 20 tires, like new New Idea 201 PTO spreader, top beater 10 00 x 20 rubber, (3) Pax Model 135 sur flo feeders (used for 1 bunch of hogs) New 12 5L x 16 tire on JD rim (4) used 12 5L x 16 tires on JD rims, (4) used 12 5L x 16 tires

HERBICIDE PUMP - CUTTING TORCH - GRINDER HYDRAULIC JACK - QUICK HITCH - WINDOWS - MISCELLANEOUS ITEMS

Great Plains Inds electric herbicide pump w/meter, Harris cutting torch w/tank & cart, Dayton ¾ HP grinder w/stand 20 ton hydraulic jack JD quick hitch, (2) crank open windows 40" x 72' rough opening, (3) rabbit cages 1,000 lb high pressure washer

TERMS Cash Lunch Served Not responsible for accidents.

Owners: KARL & BECKY WHETSTONE
419-657-6501

AUCTION CONDUCTED BY: Rex D. Schrader #2482
Jim Biery, Apprentice #5154; John Nixon, Apprentice #4280
SCHRADER REAL ESTATE AND AUCTION COMPANY, INC. #1706
Licensed and bonded in favor of the State of Ohio.
5175 Osman Road, Cridersville, OH 45806
Phone: Jim Biery (419)647-4311 OR John Nixon (419) 227-5122
Indiana Office: (219)244-7606

Dairy and Livestock Sales

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

FRI FEB 13 - 9AM Farm Eq New Holland Sales Stables, Inc , New Holland, PA. Abe Diffenbach, Manager

SAT FEB 14 - Dairy Cows and Farm Eq Located along Cocalico Rd between Scheoneck and Cocalico, RD 2, Denver Edwin W and Mary Ann Zeiset, Owners Paul Martin and John D Stauffer, Aucts

SAT. FEB 14 - Granville Overly Estate Household Sale, Wakefield area J Everett Kreider, Auct

SAT FEB. 14 - 9AM Horses and Horse Drawn Machinery. Located in Mifflin Co between Belleville and Milroy, PA, ½ mi E. of Barrville along Back Mt Rd John B Hostetler, Jr and Ner Hostetler Mark Glick, Auct

MON FEB 16 - 10 30AM Complete Liquidation of the largest grower-packer of potatoes in New Jersey J&B Potato and Grain Farms, Inc , Hightstown, Monmouth Co , New Jersey, Owners Pirrung Aucts , Inc

TUES. FEB. 17 9:30AM Farm Mach , Mules, HH. 1 mi E of Intercourse, PA Samuel L & Rebecca Esh, Owners Steve Petersheim & Steve Jr , Aucts

WED FEB. 18 - 9 30AM Farm Mach , Horses, HH ½ mi S Vintage Jacob S & Rebecca H Beiler, Owners Steve Petersheim and Steve Jr , Aucts

THURS FEB 19 - Farm Eq & Tools Allen Hoover, along Rt 82, approx 5 mls. E of Honey Brook Nevin Martin & Lewis Groff Aucts

THURS FEB 19 - 9AM Farm Equip Located between Soudersburg & Paradise at 2969 Lincoln Hwy , Rt. 30, 8 miles East of Lancaster Terms By T J Wheary & Sons Aucts Robert E & Jeffrey R Martin & Blaine Rentzel

THURS FEB 19 - 9AM PA Draft Horse & Mule Association Sale Pennsylvania State Farm Show Building, Corner of Cameron & McClay Sts , Harrisburg, PA

THURS FEB 19 - 9:30AM Longview Farms (Punk Bros), Rt 526, Imlaystown, NJ Farm Mach., used on 1000 acre potatoe & grain farms Sale by Col Fred R Daniel Aucts , Inc

THURS & FRI FEB 19 & 20 - Large Two Day Sale of Farm Eq , etc., at our place of business, 1 mi E of Marion, PA, off Rt. 81 Ralph W Horst, Manager.

FRI FEB 20 - Coin Sale Winterstown Fire Hall, York Co J. Everett Kreider, Auct

FRI FEB 20 - 10AM Horse Sale New Holland Sales Stables, Inc , New Holland, PA Abe Diffenbach, Manager

SAT. FEB 21 - 9AM Farm Toy Show and Auction Located at the Best Western Inn, in the Mariposa Ballroom 1245 Harrisburg Pike, Carlisle, PA Sponsored by the Cumberland Valley Tractor Pullers Mark K Keller, Auct

SAT FEB. 21 - Tack 9 30AM and Horses 11AM at the Belleville Livestock Mkt , Belleville, PA Draft Horses, Mules and Driving Horses Mark Glick, Auct

SAT FEB 21 - 11 30AM Tractors, Farm Eq. Located between Lancaster & Strasburg near Lampeter. Earl Simmons, Owner. Cloyd Wenger, Auct.

FARM TOY AUCTION

New Year's Day- 11:00 a.m. to 5:00 p.m.

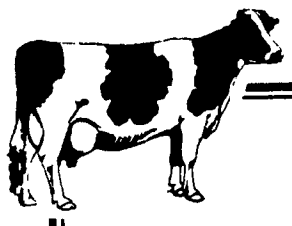
(Weather Permitting)

At New Holland, Pa. Fire Hall
East Main Street, On Route 23

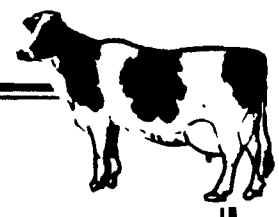
Food available. Many quality older farm toys, plus some newer collector toys. Deeres, Farmalls, Oliver, Masseys, Allis, New Idea, New Holland, Ferguson, Ford, approx. 500 items.

Auctioneer- Dale Stoltzfus
AU-90GL
Auction Manager- Dave Nolt
Info. (717) 768-3554

New toys, parts, and books available for private sale.



SHORT NOTICE



90 HEAD TOP REG. HOLSTEIN AUCTION

1000 Gal. Bulk Tank - Pipeline - Elec. Feed Cart

FRIDAY, JANUARY 2, 1987 AT 11:30 A.M.

At S&S & Sons Inc. Dairy Farm, (the former Robert Connolly Cedar Hill Farm Herd). Orams Lane Rd., off Rt. 31 in the edge of the town of Oxford, New Jersey. From Pa., use Rt. 78 to Rt. 57 to Rt. 31 north. From NY State, use Del. Water Gap to Rt. 46 to Rt. 31 south.

11:30 A.M. - Barn Equipment

Mueller 1000 gal Bulk Tank; Fre Heater; DeLaval 80 Cow 2" Pipeline SS; Pump; 4 Westfalia Milkers w/Pulsators; Weaverline Electric Feed Cart, 6 mos old; XR-16 Semen Tank; Breeding Board; plus more.

12 NOON - 90 Head Of High Powered Top Bred DHIA Tested Holsteins:

70 Mature Cows; 20 Heifers from calves to 9 months old! **Breeding the Best!**- 11 by Milestone; 10 by Boot Nick; 2 Tony's; 2 Pete's; 5 by Sexation; 3 by Frosty; Kingpin and others. Cows bred to top Sire Power Bulls! **Classification**- 1- 2E Ideal Leader Dtr w/25,600 M; a 86 Pt Money Maker w/19,061 lbs; a VG 19,000 lb Tradition; a 23,000 lb VG Kingpin; 2- 20,000 lb. VG Milestones; 2- VG Boot Nicks up to 22,000 lbs; a 87 pt Arlinda Commander; plus many young G+ Cattle. Many fresh and springing and bred for year around! Some top cows purchased at Globe Run Farm Dispersal selling here. (Herd is 90% calfhood vaccinated).

DHIA Records

Previously this herd held a 19,000 lb herd ave. for years. Current Rolling Ave a little over 16,000 lbs. Cows are presently not being pushed with protein! A Super Powerful Group of Cattle with top breeding and production! Many young with strong quality udders and tremendous size. Heifers are well bred with quality. 17 head selling from 19,000 to 25,600 lbs milk and over 800 lbs fat. In the past 3 years the Registered cows have been better buys than the grades. Selling in an area where there are very few farmers. Plan to attend this Top Reg Holstein Auction! Short Notice Sale! Catalogs at Ringside only.

Inspection:

Sale Day Only! Cattle all pregnancy examined and Nasalgen! 30 day TB & Blood Tested for Interstate! Blizzard Date: Jan. 3, 1987. Sale held in Tent! Carl Baylor- Herdsman. S&S & Sons Inc. Farm. Terms: Cash or Good Check Sale Day w/Proper ID.

CO-MANAGED AND SOLD BY

COL FRED R. DANIEL AUCTIONEERS INC.
Neshanic Sta., N.J.
201-369-4784

MEL MANASSE
Whitney Point, N.J.
607-692-4540 or NY
only 1-800-MANASSE

Dairy and Livestock Sales

LARGE AUCTION
MONDAY, DEC. 29, 1986
3:00 P.M.
Located: Paradise Fire Hall, approx. 10 miles east of Lancaster along Rt. 30, behind Meridian Bank.

Books
Annals of Conestoga Valley
Martyrs' Mirror 1814

Antique Furniture; Glassware; Trains; Antique Toys; Child's Goat Wagon w/2 Seats & Shaft; 54 Fancy Cup & Saucers; Tools & Modern Household Goods.

Ron Funk Auctions
PA Lic. #AU-314-L
717-442-4279

Public Auction Register

Closing Date Monday 5 00 P M of each week s publication

MON FEB. 23 - 10AM Complete Liquidation of Potato Farm Mach. for Wolf Farms, Inc , Stewartstown, York Co , PA. Owned by Wolf Farms, George Wolf and Sons Pirrung Aucts., Inc

MON. FEB. 23 - 10AM Farm Mach., Dairy Eq. ½ mi. S. of Belleville, PA. David J. & Arlene Spicker, Owners. Mark Glick, Auct.

TUES. FEB. 24 - 9AM Horses, Dairy Cattle, Swine, Farm Mach. Centre Co., 1 mi. E. of Aaronsburg, PA Ben Y. & Barbara Hostetler, Owners Mark Glick, Auct

TUES FEB. 24 - 9 30AM Farm Machinery and Tractors. Located along Meadow Valley Rd , Ephrata, PA. Edwin Horning and Sons, Owners.

TUES. FEB. 24 - 11AM Farm Mach., 3 Tractors, Most 11 bought new. Located 3 mis. S. of New Holland. For: Jacob S. & Ada Deinner. Steve Petersheim & Steve Jr., Aucts

WED. FEB. 25 - Donald Myers Farm Machinery Sale and Carpenter Tools Buck area. J Everett Kreider, Auct

WED FEB 25 - 9AM Holstein Herd, Milking Eq , Farm Mach Aquilla & Anna Mary Stoltzfus Steve Petersheim & Steve Jr , Aucts

THURS FEB 26 - Farm Eq Located Cumberland Co , 132 Park Drive, Boiling Springs, PA Ferman Landis, Owner Foreman's Auctioneering

THURS. FEB 26 - 11AM Robert England, Gordon Rd., Robbinsville, NJ. Big Grain Farm Mach. Sale by Col. Fred R Daniel Aucts , Inc

FRI FEB 27 - Rt. 49 between Gold and Coudersport, PA, Potter Co. Mr & Mrs. Rodney Hershey Dairy Heifers and Farm Mach. Jerry Pirrung, Sales Mgr

THURS. & FRI. FEB. 26 & 27 - 9AM Ea. Day. Antique Tractors & Engines, Parts, New, Used & Abused Farm Eq 10 mis E of Lanc., 2½ mis. W. of New Holland, turn off Rt. 23 on S Groffdale Rd., turn left on Musser School Rd Lanc. Co., PA Terms Elias S Beiler. Aucts Robert E Martin & Son, Blaine Rentzel & Ed Goodrich, Jr

SAT FEB 28 - Farm Eq & HH Aaron Ebersol, along Churchtown Rd , ½ mi S of Cambridge Nevin Martin & Lewis Groff, Aucts.

SAT FEB 28 - Fifth Annual Lancaster Farm Toy Auction, Show and Sale at Lancaster Treadway Inn, Route 30 and Oregon Pike (Rt. 272), Lancaster, PA. Show and Sale 9AM to 3PM. Auction starts at 5PM Auctioneer-Wally Hooker.

SAT. FEB. 28 - Farm Eq. Located 3 mis N. of Annville, PA. H. John and Mary S. Martin, Owners. Paul Martin & John D. Stauffer, Aucts.

SAT. FEB. 28 - Farm Machinery. Landisburg, Perry Co , PA Gary Haas, Owner Kling's Auction Service, Sale Mgrs.

SAT FEB. 28 - 8:30AM Tack, 10 30AM Horses Consignment Horse Sale Keister's Middleburg Auct Sales, Inc., Rt. 522, 3 mis E of Middleburg, 5 mis. W of Selinsgrove, PA Don & Walt Keister, Owners

SAT FEB 28 - 9AM Strasburg Fire Co. #1 Thirteenth Annual Public Sale Horses, Mules, Farm Mach , Hay, Straw, Tools, HH, Antiques W. Main St. Strasburg, PA. Sale managed by Elvin Siegrist, Alvin Miller & local Aucts.

SAT. FEB. 28 - 10AM Good Line of Farm Mach. Centre Co., 3¼ mi. E. of Aaronsburg, PA, on Apple Butter Rd. Fred & Mona Boob, Owners. Mark Glick, Auct.

Special Holiday Sale

Tuesday Evening, December 30th at 7:30 P.M.

To be held at Smoketown Quality Dairy Sales- Smoketown, Pa. Rte. 340

One Load of Registered Cows and Heifers out of Franklin County
One Load of Cows out of New England States
3 Good Registered Bulls

Kingleo Tempo Luscious
Sire- Roybrook Tempo- Fresh 9-7- 75 lbs. 4 4% 3.5 pro.
1-11 357 19,033 4.6 875.
Bred 12-8-86 to Tri Town Steady Spipper.
DAM- Milu Betty Chief- V.G. 85
4-1 326 25,870 3.6 929
5-1 271 25,550 3.6 908.

Dar-Twil Valiant Lady- By Valiant- 1st calf for 10-21 milking 55 lbs. 4.6.
DAM- Eu-Jan TJC Lovely Superior.
3-2 294 14,177 4.6 653.
4-2 365 22,340 4.5 1005.
(Fancy)

Eu-Jan Columbus Blossom- Fr 10-15 2nd calf
2-5 307 17,227 4.2 720
3 5 1st test 72 lbs 4.3%, 2nd test 67 lbs. 4 7%
Cow Index +228m +17F + 05% +$41

Round Oak Elevation
Elevation Crystal- V G. 87- Fri. 7-5- 53 lbs 4 6%
4-7 339 18,562 4 2 783.
5-9 363 22,509 4.2 963
Bred to Bell

Bred Heifer by Columbus- Due 1-31-87 to Ned Boy.
Dam- Kinglea Kat Snow White- V.G. 86.
305 24,740 4.0% 988.
2nd for fat in Md. as a 2 yr. old.
2-5 365 28,460 3.9% 1098.
3-8 305 24,701 3.4% 852.
4-8 356 31,315 3.1% 965.
Cow Index +822m. +21F. +$83.

Reg - 2 yr. old Chairman- Just fresh good uddered
DAM- Pacemaker- G.P. 83.
5 yr. 270 16,866 4.0 679.
3 yr 311 over 16,000 3.7 619.
Next DAM- Astronaut
Next DAM- Kingpin over 24,000- lifetime 163,000

Reg - 2 yr - Wileeda Citation R- Fr. 12-7.
DAM- C Pilatus Pre Joe- Anne- Red G.P 82
2- 305 16,107 4 1 656

Fancy Reg Heifer- Born 11-20-82- Fr 12-7- 74 lbs
Sire- Almson Rockman Lester.
2 yr 305 15,726 3 99% 603.
DAM- Jamesdale Trixie Med.- V G

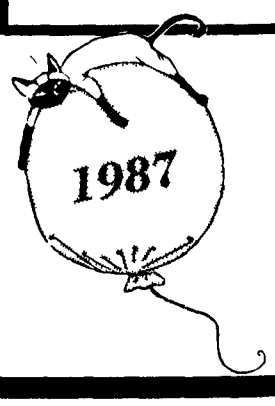
These Cattle Are From Over Stocked Farms Or Herd Dispersals

Registered Bulls

Sire- Marshfield Elevation Tony.
DAM- Carlin-M Ivanhoe Bell- G.P 81
2-6 341 21,626 3 5 765
3-7 305 23,949 3 1 754.
Next DAM- 3-4 305 25,780 3.3 852.
Next DAM- V.G. 88- 8-9 305 20,250 636.
Lifetime- 101,690m.

Sire- Carlin-M Ivanhoe Bell.
DAM - 2-4 283 17,195 3.5 603
Gr. DAM- 3-11 305 20,510 3.9 808.
3rd DAM- 4-7 305 19,120 4.2 809
4th DAM- 5-9 305 21,140 4.4 934.
6-9 305 19,520 4.2 820.

Sire- Ivajen Lone Ranger.
DAM- Paclamar Triune Needle-Twin- G P 81
6-10 305 23,644 3.5 821
8-2 305 20,341 3.7 761.
9-7 365 25,264 3.6 920.
Lifetime 150,000.
Gr DAM- Whilhill Kingpin G.P. 82
Next DAM- Osborndale Ivanhoe



HAVE A HAPPY NEW YEAR!

Sale Managed By:
SMOKETOWN QUALITY DAIRY SALES
Gordon & Helen Fritz
717-393-0930

Mr. and Mrs. Bruce Cornell

AUCTION

A Three Generation Family Farm Dispersal
CATTLE—EQUIPMENT—PRODUCE
WED., DECEMBER 31, 1986
10:00 A.M.

Greenwood, (Steuben Co.) New York

Sale to be held at the farm located along Rte. 248, 8 miles south of Canisteo or ½ mile north of the intersection of Rtes. 248 and 417 at Greenwood.

Farm for sale, selling will be:

111 Interstate Tested, Homeraised Holsteins

Dairy Herd consisting of 57 cows. (DHIA 10-17-86 RHA 18,980M. 3.8F. 712F. 3.3P.) This is an Eastern bred herd of tie stall cows of year around freshening, using top line sires. DHIA transfers available and catalogs at ringside.
15 Bred Heifers due Jan. through April; 17 Open Heifers at or near breeding size; 22 Heifer Calves from 1½ mo. to 7 mo.; All Cattle Vet. examined, inoculated against shipping fever and ready for interstate shipment. Trucking available!

Clean Machinery Line-Up

White 2-105 diesel tractor, air and heated full cab, 1372 hrs., 20.8-38 rubber!; MF 285 diesel tractor, cab, 18.4-34 rubber, 2300 hrs.; MF 255 diesel tractor, 16.9-30 rubber, 1168 hrs., and MF 236 all hyd. front end loader!; AC D-17 series 4, w f.e. tractor; NH 892 chopper, electric controls, 2-row new style corn head and 880 W hay pickup head; NH 28 blower, 3 yr. old; 2 nice Lamco "Rex" 14 ft. 3-beater s.u. boxes on tandem electric wheel gears with flotation tires; White 543 4-row plate type corn planter with bug boxes; MF 15-7 grain drill with dry fertilizer and grass seeder; MF 124 ejector baler with liquid treater; NH 495 haybine; MF 256 rake with rubber mount teeth; 3 basket wagons on gears; NH 36 ft. bale-grain transport elevator with elect. motor; NI 354 10 ton manure spreader with tandem axle, hyd. end gate and Gratz style chain; Winpower 35000 watt p.t.o. alternator on cart; Ubler 770 electric feed cart; Patz 15 ft and Utility 16 ft. single chain feed conveyors; Lucknow 3 pt. 8 ft. double auger heavy duty snow-blower with hyd spout; MF 880 5-18 on the land hitch, spring reset plow with spring coulters; AC 15½ ft model 2500 wing type disk; Dunham 12 ft. cultipacker; Century 200 gal. plastic tank weed sprayer; Set of 20.8-38 snap on duals; 550 gal. diesel tank with electric pump.

Produce

App. 3000 bales of 2st cutting alfalfa mixed hay sold in lots; App. ½ of 20 ft.x 77 ft. Harvestor silo of alfalfa haylage and app. ½ of 20 ft.x65 ft. silo of corn ensilage. Unloading rights to both silos!

NOTE: Bruce and his family farmed here since 1937, artificial bred since the early days and have developed a very nice farmstead. Machinery mostly purchased new, housed and operated by the owner. The farm is for sale!

Lunch—Tent—Portajohns

TERMS: Cash or honorable check with proper ID. All settlements in full on sale day!

Owned by
BRUCE and PEG CORNELL
607-225-4930

Auction conducted by
PIRRUNG AUCTIONEERS, INC.
Wayland, NY
716-728-2520.

Public Auction Register

Closing Date Monday 5 00 P M
of each week s publication

MARCH

MON. MAR. 2 - Farm Mach. Landisburg, Perry Co., PA. Dean Pannebaker, Owner Kling's Auction Serv , Sale Mgrs

WED. MAR. 4 - Farm Mach Carlisle, PA Donald Ellerman Estate Kling's Auct. Serv.

WED. MAR. 4 - 9:30AM Farm Mach , 15 Head Heifers, few HH Located 1 mi W of Gap on Mine Rd., PA Ben S. & Mary E Lantz, Owners. Steve Petersheim & Steve Jr , Aucts.

THURS. MAR 5 - Registered & Grade Holsteins and Farm Mach About 2 mis E of Belleville, PA. Enos J Yoder, Jr , Owner Mark Glick, Auct

FRI. MAR 6 - 9AM Machinery At the Belleville Livestock Mkt , Belleville, PA

FRI. MAR. 6 - 10AM Horse Sale at New Holland Sales Stables, New Holland, PA Abe Diffenbach, Manager

SAT. MAR. 7 - Robert Reherd Farm Machinery Sale. Airville area, York Co. J Everett Kreider, Auct.

SAT MAR 7 - 9AM Horses, Cattle, Hogs, Old Engines, Farm Mach Mifflin Co., 2 mis NE of Reedsville, PA, on Church Lane. Eli J. & Barbara Yoder, Owners Mark Glick, Auct.

SAT MAR 7 - 9 30AM Farm Eq., HH, Antiques Located along Newswanger Rd , 1 mi E of Hinkletown, Ephrata Twp., Lanc Co , PA Terms by Alvin H & Anna Weaver. Paul W Horst & John Fry, Aucts

SAT. MAR. 7 - 9 30AM; Real Estate 2PM. Lot 147 Perches, 2½ story frame dwelling. Located 171 E Main St , village of Bareville, between New Holland and Leola. Terms by: Esther, Edna and Grace Wenger. Robert E. & Jeffrey R. Martin, 717-656-7770. Frank L Steller, Aucts.

SAT. MAR. 7 - Farm Eq & Tools David H. Martin, along New Holland Road, 1 mi. S of New Holland Nevin Martin & Lewis Groff, Aucts.

SAT. MAR. 7 - Bart Twp Fire Co All Day Sale of Horses & Mules, Farm Eq , Hay & Straw, Building Materials, HH Located Village of Georgetown on Rt 896 Lanc Co

SAT. MAR 7 - Farm Eq Located between Lincoln and Brunnerville, PA Allen W. and Bertha W. Weaver, Owners. Paul Martin & John D Stauffer, Aucts.

SAT. MAR 7 - Farm Mach RD #3, Newville, PA C Everett Warner & Rodney Nailor, Owners. Kling's Auct Serv., Sale Mgrs.

MON. MAR 9 - Consignment Sale Farm Machinery & Related Items Lebanon Fair Grounds Held by Lebanon Valley Auction Co For information. 717-866-2135 or 717-272-4641

TUES. MAR 10 - Farm Eq & HH Martin W Zeiset, along Churchtown Rd , 1½ mi S. of Churchtown Nevin Martin & Lewis Groff, Aucts

TUES MAR 10 - Dairy Herd Dispersal RD, Mechanicsburg, PA Norman Hertzler, Owner Kling's Auct Serv

WED. MAR. 11 - 11AM Big Late Model Grain Farm Machinery Auction 211 Upper Silver Lake Rd , Newtown, PA All one owner, well kept. Amos & Gary Kirk, Owners. Col Fred R. Daniel Aucts., Inc.

THURS. MAR 12 - Farm Mach. Mechanicsburg, PA Ashcombe Farms, Owners. Kling's Auct Serv., Sale Mgrs.

THURS MAR 12 - 10:30AM PA Seventh Annual Heifer Sale for World Relief. Mel Kolb's Black and White Dairy Barn, Dairy Rd , Lancaster, PA. 2 mis W use Flory Mill Rd exit Wilmer G Kraybill, Sale Mgr John Umble, Lee Kurtz & Omar Stoltzfus, Aucts

THURS MAR 12 - 11AM PA 7th Annual Heifer Sale for World Relief at Mel Kolb's Sales Barn, Lancaster, PA Wilmer Kraybill, Manager

FRI. MAR 13 - Consignment Farm Machinery Auction at Keister's Middleburg Auction Sales, Inc , Rt 522, 3 mis E of Middleburg, PA, 5 mis W of Selinsgrove, PA Don & Walt Keister, Owners

FRI MAR 13 - 9AM Farm Eq New Holland Sales Stables, Inc , New Holland, PA Abe Diffenbach, Manager

SAT MAR 14 - Robert Webb, House & HH Goods Fawn Grove area, York Co J Everett Kreider Auct

TUES MAR 17 - York Co Fairgrounds, York, PA York-Adams Co Calfarama Sale Sponsored by York & Adams Co Holstein Club, Kling's Auct Serv

THURS MAR 19 - 9.30AM Farm Eq & Milking Eq Located Rt 74 S. of Airville, turn W on Bridgeton Rd. go 1½ mis to crossroad and continue straight to first lane on right. Mr. & Mrs. C Robert Kilgore. Blaine N. Rentzel, Auct

FRI. MAR. 20 - 6 30PM Consignment Sale of Feeder Pigs and Feeder Cattle. Keister's Middleburg Auct. Sales, Inc , Rt. 522, 3 mis E. of Middleburg, PA, 5 mis W. of Selinsgrove, PA. Don & Walt Keister, Owners.

FRI. MAR. 20 - 7PM Horse Sale at New Holland Sales Stables, Inc., New Holland, PA Abe Diffenbach, Manager

FRI MAR. 20 - Farm Mach Carlisle, PA. John Lippert, Owner Kling's Auct. Serv , Sale Mgrs.

SAT. MAR 21 - 9AM Kempton Community Center, Northern Berks Co. 24th Annual Spring Sale. 14 Aucts 215-756-6973, 756-6532

TUES MAR 24 - Ben Herr Farm Machinery Sale Chestnut Level area J Everett Kreider, Auct

WED. THURS FRI MAR 25, 26, 27 - Large Three Day Sale of Farm Eq , etc , at our place of business, 1 mi E of Marion, PA, off Rt 81 Ralph W Horst, Manager.

SAT MAR. 21 & SAT MAR 28 - 2 Day Auction of 4 Tractors, Power Machinery Tools, Antiques, Livestock, Furniture, Local Collectibles Formerly Stubbs & Evans Farm #403 Woods Rd , Oxford, PA By order of Donald G Brown, Owner Jeff E. Whiteside & Harry W. Whiteside, Aucts

SAT MAR 28 - George McDonald Farm Machinery, Milk Tank & Tools Rising Sun, MD. J Everett Kreider, Auct.

SAT. MAR 28 - Farm Mach , Lawn & Garden, Tools, Furniture, and Miscellaneous Consignment Auction. From Exit 21 of PA Turnpike take 272 South to first light, take Church St through Rheemstown to Red Run Rd., turn left on Red Run Rd., go 1/10 mi turn left on Steffy Rd , approx. ½ mi. on left. Terms by: Arthur Nolt and Allen Martin. Roy Good, Jr , Randal V Kline and Lloyd Kreider, Aucts

SAT. MAR. 28 - 8:30AM Tack; 10:30AM Horses Keister's Middleburg Auction Sales, Inc., Rt. 522, 3 mis. E of Middleburg, 5 mis W of Selinsgrove, PA. Don & Walt Keister, Owners

APRIL

FRI APR. 3 - 9AM Farm Eq. New Holland Sales Stables, Inc., New Holland, PA. Abe Diffenbach, Manager

SAT APR. 4 - Lions Club Sale. Wakefield area. J Everett Kreider, Auct

FRI APR. 10 - 7PM Horse Sale New Holland Sales Stables, Inc , New Holland, PA Abe Diffenbach, Manager

FRI APR 17 - 6 30PM Consignment Sale of Feeder Pigs & Feeder Cattle Keister's Middleburg Auct Sales, Inc , Rt 522, 3 mis. E of Middleburg, PA, 5 mis. W of Selinsgrove, PA Don & Walt Keister, Owners

SAT. APR. 18 New Danville Mennonite School J. Everett Kreider, Auct.

TUES. APR. 21 - 7PM Feeder Pig Show & Sale. New Holland Sales Stables, Inc., New Holland, PA. Abe Diffenbach, Manager.

FRI APR. 24 - 9AM Farm Eq. New Holland Sales Stables, Inc , New Holland, PA. Abe Diffenbach, Manager.

FRI APR 24 - 6PM Reg. and Grade Heifers, all ages. At the Belleville Livestock Mkt , Belleville, PA.

SAT. APR. 25 - 8:30AM Tack; 10:30AM Horses. Keister's Middleburg Auct. Sales, Inc., Rt. 522, 3 mis E. of Middleburg, PA, 5 mis W of Selinsgrove, PA Don & Walt Keister, Owners

SAT APR. 25 - Consignment Sale of Farm Machinery & Lawn Eq New Park, York Co J Everett Kreider, Auct

Dairy and Livestock Sales

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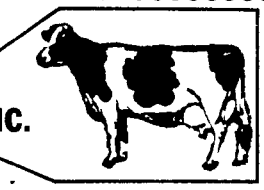

Located 12 Miles East of Lancaster, Pa., just off Rt. 23, New Holland.

SPECIAL DAIRY SALE CONSIGNMENTS For WEDNESDAY, DECEMBER 31, 1986

Heifer Sale Starts At 11:00 A.M.

- Herd of 60 Head, 22 fresh, balance in all stages of lactation, from West Virginia, consigned by Glenn & David Fite.
- 1 load fresh and springer cows consigned by Norman and David kolb.
- 1 load fresh and springer cows consigned by Merle Brenneman.
- 1 load fresh and springer cows consigned by Marvin Eshleman.
- 1 load fresh and springer cows consigned by Raymond Smucker
- 1 load fresh and springer cows consigned by H.D. Matz.
- 1 load fresh cows consigned by Dale Hostetter.
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For More Information Contact:

Abe Diffenbach 717-354-4341

Norman Kolb 717-397-5538

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Catalogues Available At Farm Show Or By Request Only From Harry Bachman 138 College Ave. Annville, Pa. 17003

SALE SCHEDULE

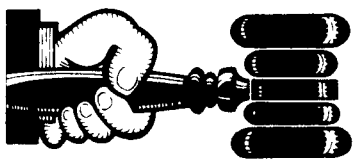
MONDAY, JANUARY 12, 1987		TUESDAY, JANUARY 13, 1987	
10:00	Yorkshire	10:00	Berkshires
11:30	Spotted	11:30	Duroc
1:00	Polands	1:00	Hampshires
2:30	Chester Whites	2:30	Landrace

Show Sat., Jan. 10 9:00 A.M.

Auctioneer
HARRY BACHMAN
138 College Ave , Annville, PA 17003
Tel 717-867-1809

MAY BE REMOVED FOLLOWING SALE WHEN SETTLEMENT MADE

PA. CO-OP SWINE BREEDERS ASSN.



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NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M Tuesday of each week's publication

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SALE EVERY TUESDAY
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1st Tuesday each month
2 P.M.
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1 P.M.

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Melvin Kolb, Inc. Presents

Castle Creek Registered Holstein Dispersal

Thursday, January 8, 1987 at 11:00 A.M.

* Held at Mel Kolb's Lancaster, PA Sales Barn *

Directions: West of Lancaster on Dairy Road. Take Route 283 West to 741 East and go left at exit. Turn right at Stone Mill, go under railroad overpass and right on Dairy Rd. Barn is within sight of 283 West.

20 Bred Heifers
75 Mature Cows
95 Registered Holsteins

DHIA 17,649 3.6 637 3.3 Protein 560 Lbs.
Classified 7-86 1 EX & 60 VG & GP
Entire Herd Calfhood Vaccinated,
T.B. & Blood Tested, ABS Breeding

Dtrs. of Popular Sires Selling

15 S.W.D. Valiants — **11 Sexations**
14 Milestones — **5 Elevation Mars**

Monitors — **Kit Builder** — **Willows**
Dairyman — **Bootmakers** — **Milkmasters**
Boot Nick — **Triple Threats**

Service Sires

18 S.W.D. Valiants — **15 Monitors**
11 Gold — **7 Elevation Mars**

Valiant Don — **Frosty**
Sexation — **Milestone**

Gladys — EX-91 Altitude EEEE, 4-2 365 28,560 968 Sells fresh 115 lbs for tester Dam VG Galaxy VEVV 21,200 758

Anita — VG 87 Sexation VG Mam Due 4/87 to SWD Valiant 3 1 305 20,900 4 0 839 Dam 24,350 3 6 870

Gracie — VG-86 Jason due by sale date to Pierre Dam Triple Threat 311 18,990 607

10 of the 15 Valiants Listed Alphabetically

Annie — 2 yr old Valiant Fresh 11-7-86 1st test 60 lb 4 9 Dam Anita VG Sexation VG Mam 20,900 4 0 839

Cherie — G+83 Valiant sells fresh 70 lb 4 0 for tester 4-0 303 23,080 3 6 829 Cow Index +735 Dam G+83 Botmaker VG Mam 20,760 671

Jenna — VG Valiant Bred to Improver 3-2 305 21,710 3 7 793 Cow Index 897 Dtr by Leprechaun due 2-9 to Valiant

Jigs — Valiant due 3-2 to Monitor with 1st calf Dam VG Triple Threat VG Mam. 15,780 4 1 645

Joyful — VG Valiant VG Mam. bred to Elevation Mars 2-8 319 18,480 3.8 699 Cow Index +750 4-7 proj 22,270 803. Dam: 24,650 850 Next Dam 24,760 868.

Juppy — VG Valiant VG Mam Fresh 87 lb for tester 2-11 321 17,902 3.5 631 Dam by Willow 3-0 15,271 4.1 620

Justy — VG Valiant VG Mam due 1-17-87 to Monitor 2 5 326 20,497 4 0 819 Cow Index +556 Dam VG-86 Elevation Mars VG Mam 19,520 4 3 841 Gr Dam VG 86 Bootmaker 21,710 3 9 848

Kim — VG-86 Valiant VVVV due by sale date to Tele type 2 8 327 21,535 4 0 852

Tessie — G+83 Valiant Bred to Elevation Mars 2-2 340 16,710 4 3 721 Had 74 lb for tester Dam VG-86 Bootnick VG Mam 18,880 3 7 704 Gr Dam VG R-Maple 21,190 3 9 824

Crissy — G+82 Mars bred to Valiant Don 3-2 365 18,010 4 2 748, 4-5 320 21,772 3 9 841 Dam EX Astronaut VEEE 20,290 4 1 838

Donna — G+ Jason bred to Monitor Dam Drucie VG-88 Golden Nugget sells 3-6 365 23,860 3 6 864

Jacet — Columbus bred heifer due 5/4 to Monitor Dam VG 87 Ivan Rockman VG Mam 24,310 4 2 1,014

Jen Ann — VG-86 Mars EX Mam due 3/28 to Valiant Don 3-9 312 21,672 3 6 788 Dam by Bootmaker 21,010 3 7 784

Jiggy — G+ Elmer Chief bred to Gold. 3-2 305 16,764 4.1 687 Dam VG-85 Triple Threat VG Mam 15,780 4.1 645.

Joy — G+83 Milestone bred to Gold 2-7 365 17,070 4.0 689. Dam: VG Capsule VG Mam 19,650 3.9 765

Juggy — Sexation sells fresh had 66 5 for tester as 1st calf heifer. Dam 25,270 3 7 937

Julia — VG-86 Milestone sells fresh 4-6 365 23,800 4 0 960 Dam by Elevation 17,490 626

Justa — VG-86 Mars VG Mam due 1-14 to Milestone 4 1 365 19,520 4 3 841 Dam VG 86 Bootmaker VG Mam 21,710 3 9 848

Kara — Dairyman dtr due 4-14 to Valiant Dam VG-86 Elevation VG Mam 20,800 4 0 835

Karol — G+83 Bootmaker Orgie bred to Valiant Don 4-2 365 25,070 3 6 915

Kringle — Columbus heifer due 3-3 to Valiant Dam VG-86 Triple Threat 24,030 4 0 953 Gr Dam G+83 29,370 1,004

Orella — G+83 Willow VG Mam Sells fresh 102 lb for 4-4 365 25,630 3 8 969

Shirley — G+83 Monitor VG Mam due 1 19 to Valiant 318 19,711 646 3 3 Dam G+ Sexation 19,870 3 6 725

Stacy — G+ Sexation bred to Monitor 4-3 316 21,255 3 7 784. Dam VG-88 Bootmaker VG Mam 21,480 3 6 769

Sue Boo — G+83 Milestone sells fresh 98 lb for tester 4-11 308 23,855 760 Dam VG Jupiter GMD VG Mam 30,510 1,001 Gr Dam VG 24,660 830

Susa — VG-86 Pacemaker VG Mam bred to Merit 5-5 334 22,791 3 5 801 Dam VG-86 Monitor 19,340 3 7 715 Gr Dam VG-86 R Maple 21,740 744

After long & careful thinking, a difficult decision was made by the Kayharts to sell the home farm. It is our privilege to be able to sell the herd for them. This herd is the result of 35 years of dedicated endless hours of work. Bob had the ability to blend & breed groups of dtrs. upon which to build cow families. Please join us on Thursday, January 8, 1987 at 11:00 a.m. to appreciate the lifetime work of a great cow man.

Immediately following the herd we will be selling 50 top fresh grade cows hand picked out of New York State. Several milking up to 100 lbs.

Top Purebred Service Age Bull

DAM: VG ART-ACRES KAY C-ET
3X 4-2 286d 28,300 3.5 982 Inc.
2-11 365d 26,650 3.5 926

Index + 1946
GR. DAM: EX 91 EEEE GMD
5-5 34,000 1115 Fat
Nx DAM VG 86 5-1 365d 25,270 3.6 897

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Auctioneer - Robert C. Mullendore AU-000644-L
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Port Murray, New Jersey
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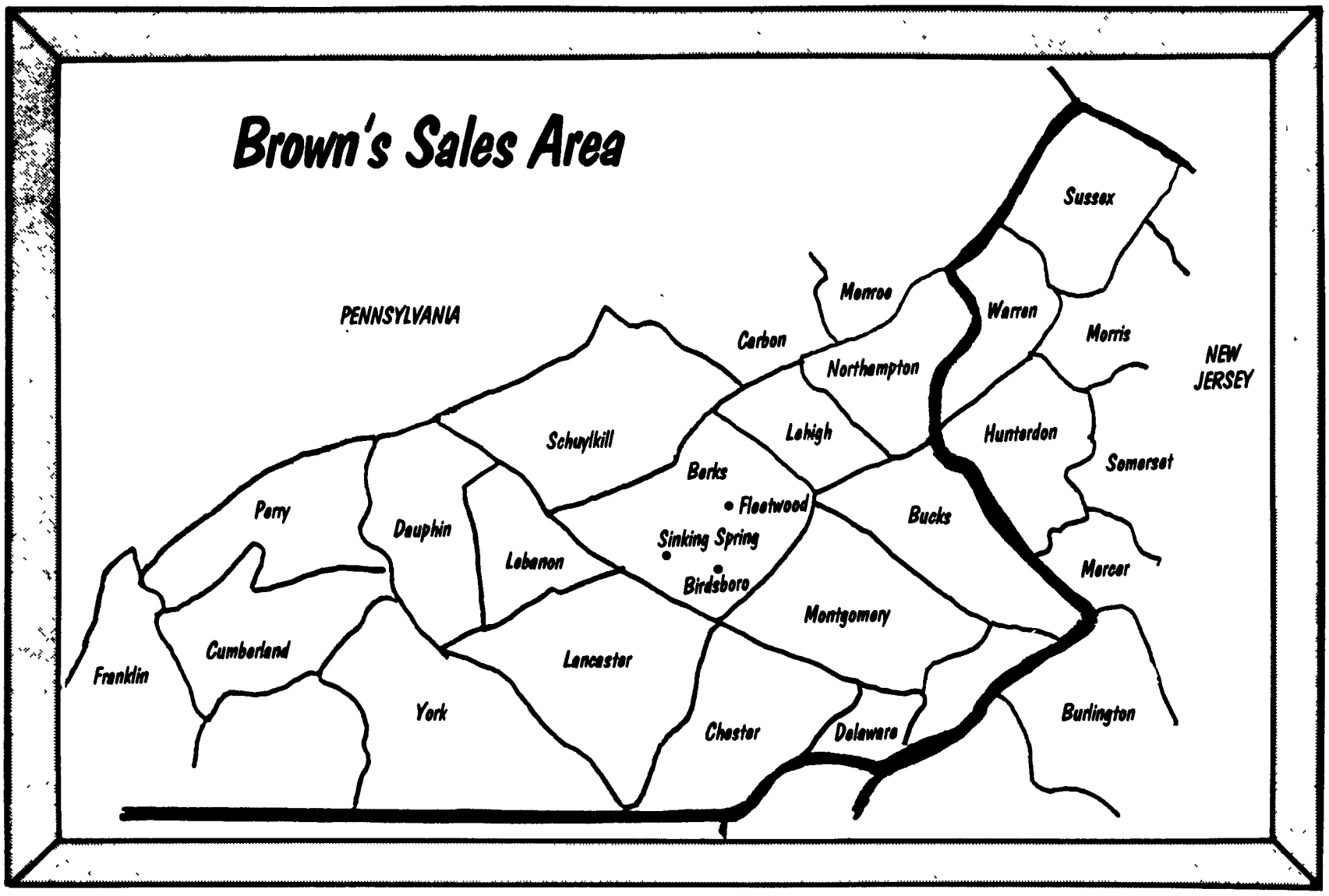
IS YOUR FARM IN THIS PICTURE?

BROWN'S



IF IT IS LET ONE OF THESE BROWN'S FEED SPECIALISTS HELP IMPROVE YOUR FARMS $ PROFIT PICTURE $

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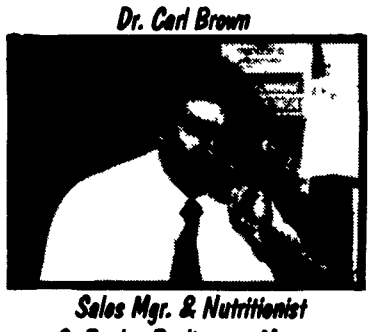
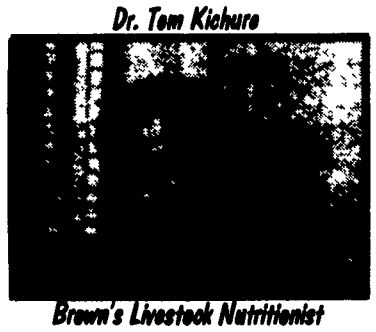


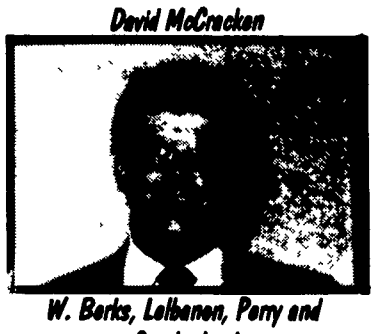
Sales Mgr. & Nutritionist
S. Bucks, Burlington, Mercer, Somerset & Hunterdon

Dr. Tom Kichura



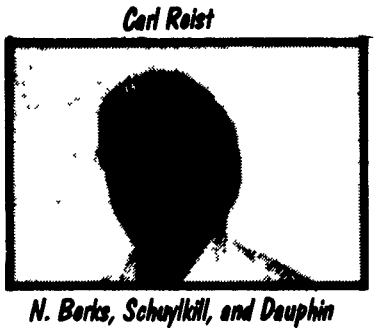
Brown's Livestock Nutritionist
Provide Phone & On Farm Nutritional Advice

David McCracken



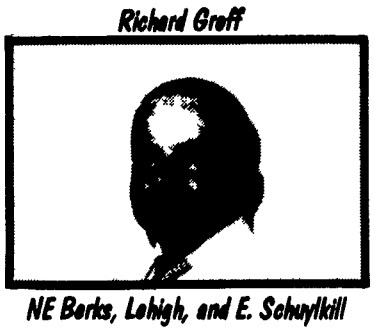
W. Berks, Lebanon, Perry and Cumberland

Carl Reist



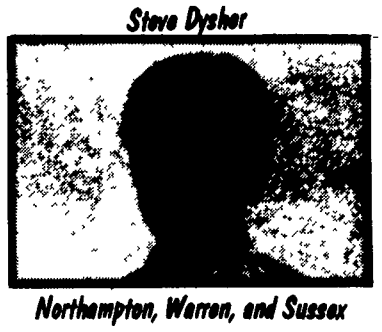
N. Berks, Schuylkill, and Dauphin

Richard Greff



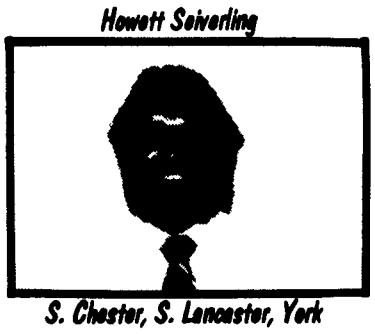
NE Berks, Lehigh, and E. Schuylkill

Steve Dysher



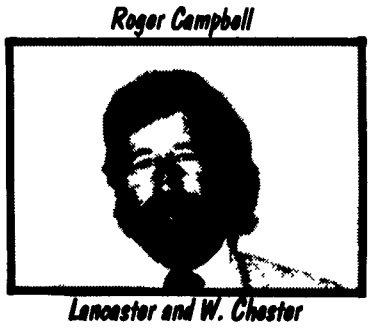
Northampton, Warren, and Sussex

Howett Seiverling



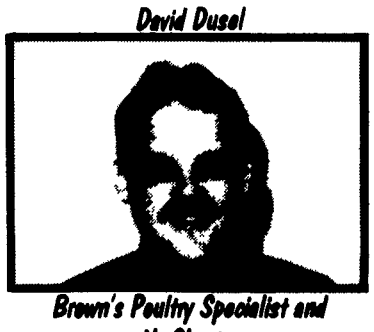
S. Chester, S. Lancaster, York

Roger Campbell



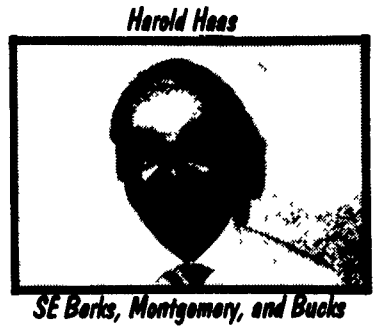
Lancaster and W. Chester

David Dusel

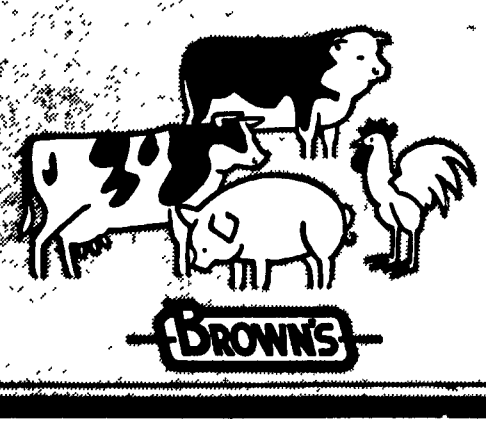


Brown's Poultry Specialist and N. Chester

Harold Haas



SE Berks, Montgomery, and Bucks



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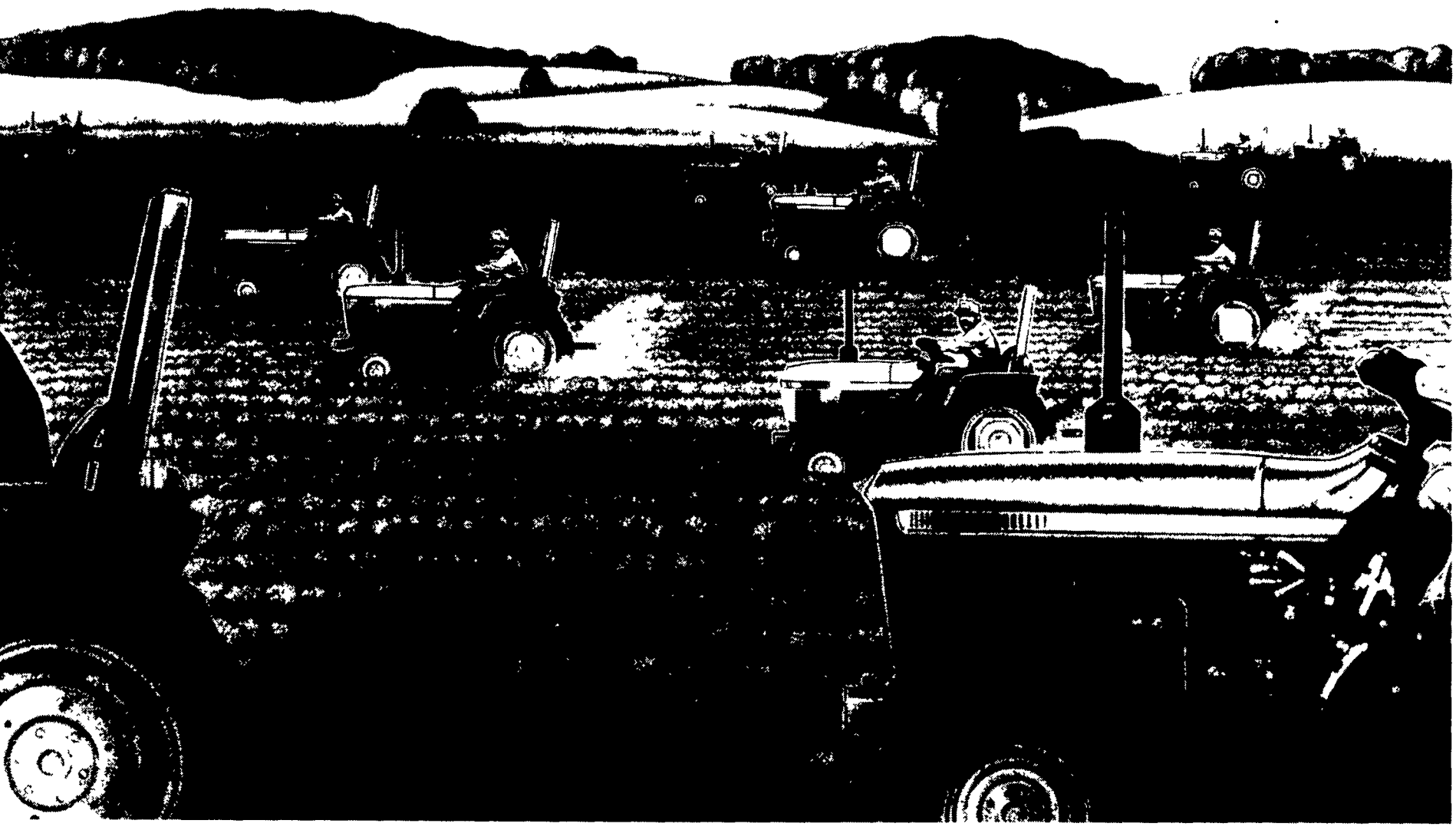

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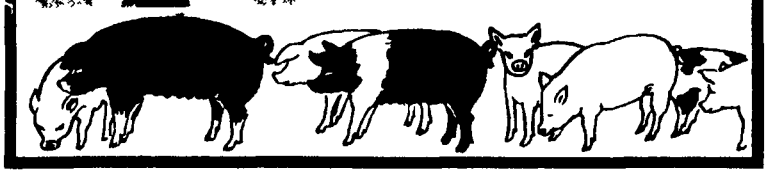
So if you're in line for a production loan, the most productive thing you could do is call us.

FARM CREDIT. A Bank Of Local Farmers.℠

Pork Prose

by
Kenneth B. Kephart

Penn State Extension Swine Specialist



A Call For Carcass Quality

"When one out of three market barrows from a selected group have loin muscle areas so small that they will not certify as meat-type hogs, it means the industry has a lot to accomplish in this day when keen competition exists for the lean meat sales to consumers." Dr. John Ziegler, professor of Food Science, Penn State University, commenting on the high percentage of hogs not certifying in the Keystone International Livestock Exposition carcass show.

"Because it's important to support our economy, most of the hams I buy are U.S.-produced. But I consistently find better quality hams from Canada. So much better that buying Canadian hams is more profitable for me, and they make it easier to produce an end product that will meet the low-fat specifications stated on the label." Werner Jonas, president of Dutch Master Meats, Harrisburg, PA, commenting on differences in quality between U.S. and Canadian hams.

Two powerful statements from two different people on two different subjects. But look at the common thread in both comments. Carcass quality is a problem; so much so, that pork from other countries and meat from other animals is a threat to our industry.

Is there any truth in what they say? Ziegler's statement on a sample of U.S. hogs is based on actual figures — which usually don't lie. Jonas' statement on Canadian pork is based on personal experience, which you might question. But on Nov. 20, I toured Dutch Master's facilities. Jonas showed me containers of Canadian hams and U.S. hams. Even to my untrained eye, it was obvious that the best quality hams came from our neighbors to the north.

How do other processors feel? I spoke with people at Kessler's, Inc., Kunzler and Co., and Berks Packing Co., Inc. — three major pork processors in our state. Most agreed that Canadian hogs have the edge on carcass quality. They *all* felt that U.S. hogs in general needed improvement in quality.

I also spoke with Tom Hartsock, swine specialist at the University of Maryland. Tom spent several years in Canada. He agreed that the quality of the Canadian hog, at least in terms of fat cover, is superior to the U.S. hog. Two reasons for that. One, Canadian producers for years have selected for lean bellies, which also translate into lean hams. And secondly, any Canadian hog that's federally graded (most of them are) is paid on the basis of carcass weight and backfat thickness.

So if this problem is real, and I think it is, how do we solve it? The simpliest answer is that hogs must be paid on the basis of carcass merit. Many producers, out of pride alone, will market a hog of average or better quality. But to produce a superior animal, it takes price incentive.

Roughly 4,000 Pennsylvania hogs go to market each business day. While most buyers pay more for better quality hogs, Hatfield Packing has the only true grade-and-yield program in the state. The problem with all the buyers, Hatfield included, is that not enough is paid for the excellent hogs. And more importantly, too much is paid for the poor hogs.

For example, at most buying stations, the maximum price spread between a good hog and a poor hog at the same weight is about $3.50 per head. Even with Hatfield's present grade and yield program, the difference in value between a "good" hog (76.5% dress, .8 in backfat) and a "poor" hog (73.5% dress, 1.5 in backfat) is only about $2.70 per head.

Why is this the case? First, grade-and-yield programs cost money. Money for implementation, for operations and for special personnel. Case in point: Hatfield for more than a year has been re-working its grade-and-yield program. They've spent many thousands of dollars already. And Jerry Clemmens of Hatfield Packing tells me it could be another six months before the new program is in place.

The second hang-up with tough grade-and-yield programs is that they can be disastrous to the packer if the producers of the poorer hogs sell their critters elsewhere. Packers say volume is as important as quality.

So is the situation hopeless? No. Grade-and-yield programs are appearing that place a $10 to $15 spread between the excellent and poor hogs. Wilson Packing and Hormel have new programs. The Pork Value Program sponsored by the National Pork Producers Council is a good one. Hatfield is working to improve theirs.

In 1968 only 8 percent of U.S. hogs had less than 1.5 inches of backfat. By 1980, that proportion climbed to more than 70 percent. So we've come a long way. But we have a long way to go. Imports and other types of meat still threaten the pork industry. This competition may be due in part to price, which is hard to change. But we seem to be getting beat on quality, too. That's a factor we can change.

FARROWING SHORT COURSE REMINDER

Penn State will offer a Farrowing Short Course Jan. 8-9, 1987. Registration fee is $30 per adult, $15 per additional family member, and $15 per student. Mail registrations to FARROWING SHORT COURSE, 306 Ag Administration Bldg., University Park, PA, 16802. Make checks payable to The Pennsylvania State University

Farrowing Short Course

111 Henning Building
University Park, PA
Thursday, January 8, 1987

11:00 a.m. Registration - 111 Henning
12:00 noon - Lunch on your own
1:00 p.m. - Welcome and Course Overview, Paul Wangsness, Kenneth Kephart

PRE-FARROWING PREPARATION

1:15 p.m. - Vaccination Programs, Parasite Control - Lawrence Hutchinson
2:00 p.m. - Feeding the Pregnant Sow - Kenneth Kephart
2:20 p.m. Break

MANAGING THE SOW AT FARROWING

2:30 p.m. Feeding Strategy for the Lactating Sow - Kenneth Kephart
2:50 p.m. Coping with the Sick Sow - Lawrence Hutchinson
3:25 p.m. Break
3:35 p.m. When to Cull, How to Select - Michael Miller
4:10 p.m. Keeping Your Farrowing House at Capacity - Kenneth Kephart
4:40 p.m. Sow Identification Systems - Michael Miller
5:00 p.m. Break for Supper
7:00 p.m. Practice With Sow and Pig Processing Techniques - Animal Maintenance Center, Kenneth Kephart and Michael Miller

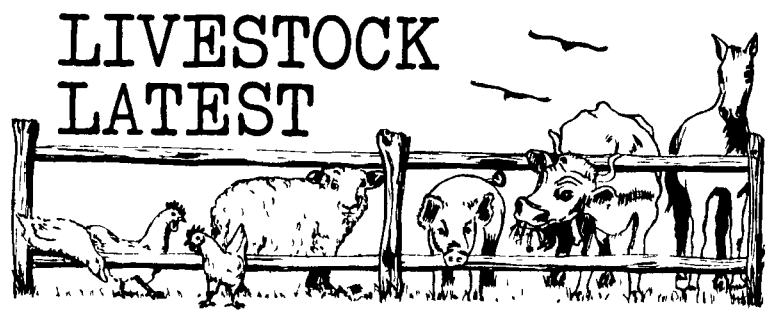
Friday, January 9
BABY PIG MANAGEMENT

8:30 a.m. Prevention and Control of Baby Pig Diarrhea - Lawrence Hutchinson
9:10 a.m. Creating a Good Environment for the Baby Pig - Kenneth Kephart
9:30 a.m. Staying Ahead of Respiratory Problems - Lawrence Hutchinson
10:10 a.m. Selecting the Most Profitable Weaning Age - Michael Miller
10:45 a.m. Question and Answer

Dauphin Co. 4-H Roundup Champions

Dauphin County 4-H'ers held their annual Beef Round-up recently at the Farm Show Complex, and Tim Foreman (left) of Hershey showed his steer to champion honors. Melanie Messick of Middletown captured reserve champion honors with her first 4-H project steer.

The champion heifer at the show was shown by Mark Foreman of Hershey.



Swine Course Offered

UNIVERSITY PARK — The animal science staff at Penn State, with staff from agricultural engineering, veterinary science, and agricultural economics contributing lessons, have written a course about swine.

Commercial Swine Production and Marketing, a correspondence course available from Penn State, is a comprehensive guide for the commercial swine producer or farmer with a hog enterprise.

This 16-lesson course includes information on planning and financing the enterprise, buildings and equipment, improving the swine herd through breeding, feeding and nutrition, marketing live hogs, and all aspects of swine health.

The course is available by sending $14, including handling, to SWINE, Dept. 5000, University Park, PA 16802. Make check payable to PENN STATE.

USDA Reconfirms Ruling To Allow Pork Irradiation

WASHINGTON — The U.S. Department of Agriculture recently reconfirmed its Jan. 15 rule allowing irradiation of pork for trichina control.

Public comments on the rule raised no compelling arguments or information that raised questions about the action, according to Donald L. Houston, administrator of USDA's Food Safety and Inspection Service.

Houston said that low-dose irradiation of fresh or previously frozen pork is an effective way of controlling trichinae larvae, the parasites that cause trichinosis.

FSIS food safety specialists advise consumers to cook fresh pork roasts — irradiated or not — to at least 160 degrees F. to prevent other food-borne illnesses.

USDA's approval of pork irradiation followed that of the U.S. Food and Drug Administration. FDA has primary responsibility for assuring the safety of food additives, and USDA approves additives for use in meat and poultry products. The sources of energy used in the food irradiation process, such as radioactive cobalt, are legally classified as food additives. FDA approved gamma irradiation of pork for trichina control in July 1985, thereby enabling USDA to consider its use.

"In developing its own regulations, USDA accepted FDA's determination that irradiation of pork in the approved dose range is safe," Houston said. "The public comments on USDA's regulations provided no significant new information."

USDA considered a total of 19 public comments on the rule, including nine that were received after March 17, the end of the 60-day official comment period.

No irradiated pork is yet being marketed, Houston said, because no company has satisfied USDA's stringent inspection and quality-control requirements for the irradiation process.

Cornell Testing 97 Bulls

ITHACA, N.Y. — A 140-day performance test for 97 bull calves from throughout the Northeast is under way at Cornell University to help breeders of beef cattle improve the quality of their herds.

The "Class of 1987" consists of 36 Polled Herefords, 21 Angus and Simmentals each, 7 Charolais, 5 Shorthorns, 3 Red Angus, 2 Limousins, and 1 Salers and Santa Gertrudis each.

These calves came from New York, New Hampshire, Vermont, Connecticut, New Jersey, Pennsylvania, Maryland and West Virginia.

William M. Greene is director of the test program and a beef specialist in the New York State College of Agriculture and Life Sciences at Cornell.

Greene said that the performance test offers beef cattle breeders the opportunity to acquire bulls with superior genetic and economically important traits to upgrade the quality of their herds.

Most of the bulls being tested will be sold in an auction scheduled for May 1, 1987, at Cornell's Livestock Pavilion on campus

Berks Cattlemen Outline '87 Activities

LEESPORT — The Berks County Cattlemen's Association outlined their activities for the new year and elected officers at their Dec. 17, 1986 meeting held here at the Ag Center.

Re-elected president of the association is Ken Rarick of Reading, and Mike Firestine, Womelsdorf, continues as secretary. Paul Holcombe of Mohrsville is the newly-elected vice president of the county association. Serving as directors are Dennis Manbeck, Robesonia, and Sheila Miller, Womelsdorf.

The Berks County Cattlemen's Association, which represents local beef and dairy producers who raise breeding stock and feeder cattle, has outlined its projected activities for 1987. Most activities are free for members of the association. Membership, at $12 per year, covers both the county and state Cattlemen's Association dues, and includes a subscription to Beef Week magazine. Anyone interested in joining the association should contact the Berks County Extension Service by telephoning 215-378-1327.

According to Rarick, the association is planning an on-foot/on-rail beef evaluation on Jan. 19, 1987. This event is scheduled for the Leesport Farmer's Market, located north of Leesport along Route 61. This contest is open to anyone interested in learning more about judging cattle, or for producers interested in seeing how their animals score in quality and yield grade, maturity, size of ribeye, and fat thickness. This year's judge will be Dr. William Henning, a Penn State meat specialist. For more information on the evaluation, contact Clyde Myers at the Berks County Extension office.

Other activities planned for the new year include: a beef cookoff contest in May; a beef promotion with local food merchants in June; a field trip to Chester County to see a demonstration of warm-season grasses and to visit an embryo transfer facility and beef farm in July; a beef barbeque and trip to a local meat packer in August; a steer weight/age guessing contest and winning-beef-recipe sample giveaway at the Farm-City Day at Penn Square in Reading on Aug. 6, 1987; a roast beef sandwich sale at the Reading Fair in September; and a Club Calf Steer and Heifer Sale in November.

The next meeting of the association will be Feb. 24, 1987 beginning at 7:30 p.m. at the Ag Center.

Scholarships Available From Chianina Assoc.

PLATTE CITY, Mo. — The American Chianina Association Ladies Auxiliary is offering three $1,000 scholarships to qualifying graduating high school seniors. The scholarships are awarded to one boy, one girl and the next top applicant.

Applicants must be a junior member of the American Chianina Association and be a graduating senior at the time of application. Interested seniors should apply to Judy Pannell, 1678 West Grantville Road, Grantville, Georgia 30220. Deadline for application is April 1, 1987.

Recipients will be announced at the National Junior Heifer Show banquet in August. The 1987 National Junior Heifer Show will be held in Rapid City, South Dakota.

Charolais Assoc. Offers Videotapes

KANSAS CITY, Mo. — The American-International Charolais Association has recently released two videotapes that are available on a loan basis.

The first tape is a 14-minute, video that tells the story of the Charolais breed. The second tape, called "Profit Backed by Demand", focuses on the commercial beef cattle industry.

Both tapes are available in one-half-inch VHS or Beta formats. The loan is free, with the only cost to the borrower being the return postage.

For more information or to reserve your tape, contact the AICA at P.O. Box 20247, Kansas City, MO 64195 or by calling 816/464-5977.

Greenhouse Workshop Scheduled

NEWARK, Del. — A workshop for Delaware greenhouse operators will be held Monday, Jan. 12, from 8:30 a.m. to 1 p.m. at the Sheraton Inn, Dover.

A preregistration fee of $10 is required and includes a lunch provided by the Delaware Produce Growers Association. After the first $10 registration by a company, additional members of the same firm will be charged $5. There will be no registration at the door.

To register, make checks payable to the University of Delaware. Mail the payment to Susan Barton, Townsend Hall, University of Delaware, Newark, DE 19717-1303. Registration is due by Jan. 6.

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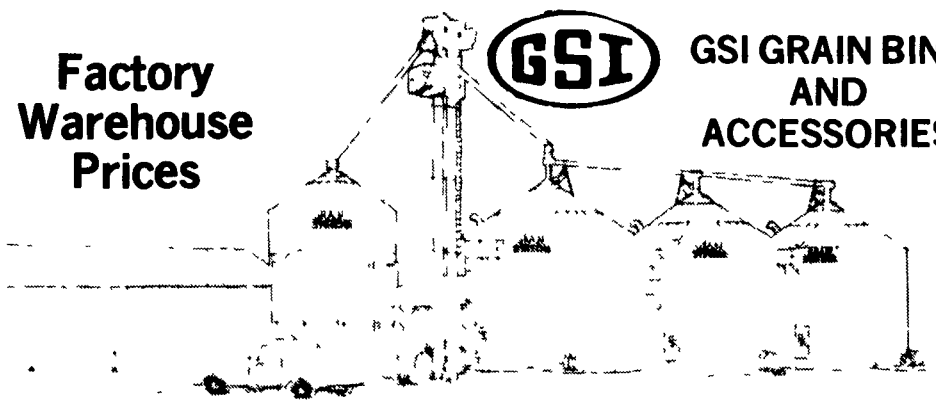

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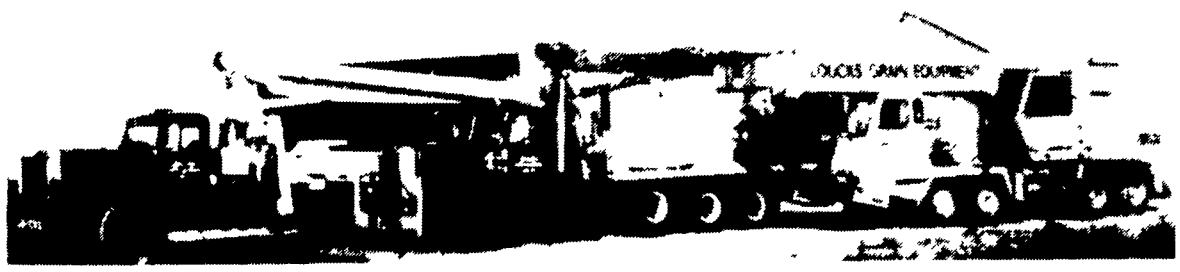

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Brockett's Ag Advice

By John E. Brockett
Farm Management Agent
Lewistown Extension Office

You Can Succeed

Most farmers in Pennsylvania can survive and even succeed as farmers in the next decade. I am quite optimistic that most family operated farms can be viable businesses in the future. If I was anything less than optimistic, I would not be leaving Extension and more closely hooking my star to the family farm of the future.

Farming will change in technical know how, in size, in required skills, and in methods of operation. But, these changes have been occurring every year since the beginning of time. In the 30 years I have been in Extension, I have seen some tremendous changes.

If someone had projected the changes that have occurred in these 30 years in 1956 when I started Extension, most people would have laughed. Consider for example the advent of atrazine in the late 50's. Or what about forage testing and feeding programs. Or calculators so cheap that practically every school child has one. Then we came to personal computers that cost about the same today as a good calculator did 20 years ago.

Today no one would buy a tractor without hydraulic or power steering. Farmers who buy a tractor without a cab are often pitied by their neighbors as being poor or demented. Not many of you cut hay by hand anymore. In fact most modern farmers probably don't even know how to use a hoe, or a scythe, or hand hay rake. Yet it was not many years ago that they were all part of a farmer's regularly used tools.

Recordkeeping A Must

One of the ongoing changes in the operation of farms in the past 100 years has been the growing need for good records. I have a record book kept by my great-great grandfather in the 1800's. It was nothing more than a daily diary with the things that were done, the amount they received for sold products, who worked for them, the cost of supplies, and the weather.

Todays records are not that much different in context. They are just bigger and more complex. DHIA was brought into being over 50 years ago because a few forward thinking dairymen and college professors thought that dairymen needed a better handle on what was happening in the dairy herd. Those of you who had fathers or grandfathers who were "on test" 30 or more years ago should look at their records. The information they received from their DHI records was considerably less than the available information we have today. Yet there are those of us who want even more from today's DHI records, because, we know it is available and we feel we need it to make better management decisions.

As farm sizes have grown, records and analysis of those records have become more important for a farm manager. The diary idea is probably no longer adequate.

Family Farm Still Needed

Yet the one constant we have seen throughout the hundreds of years of change in the family farm has been the need in our society for those farms. The majority of people in this country want the family farm to continue to be a viable part of our society and economy. They have agreed to farm bills that the news media has often said were too expensive. The average person on the street feels positive about farmers and farming, especially family operated farms. They want you to succeed.

And you can succeed if you want to. No one said it would be easy. And this brings us to the final and possibly most critical change that has occurred in the farming business. The change from a primarily physically oriented business to a balanced physically and mentally oriented business. Todays farmers must be as willing to work hard mentally as their forefathers were to work hard physically.

Penn State Offers Grain Crops Course

Pennsylvania farmers will find Grain Crops, a Penn State correspondence course and an accompanying 1985 Agronomy Guide, helpful in selecting grain varieties.

The course includes information on uses and importance of the most common cereals or grains, including corn, wheat, oats, barley, soybeans, and rye. Methods of seeding, harvesting, storage, and marketing are given.

To learn more about grain crops send $14, including Agronomy Guide and handling, to GRAIN CROPS, Dept. 5000, University Park, PA 16802. Make check payable to Penn State.

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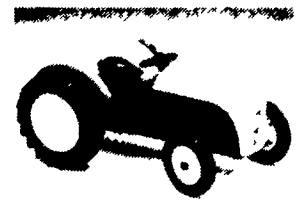

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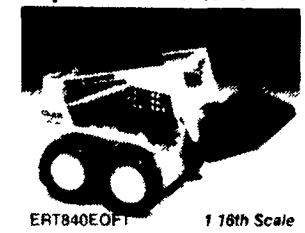

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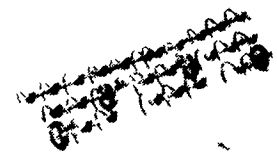

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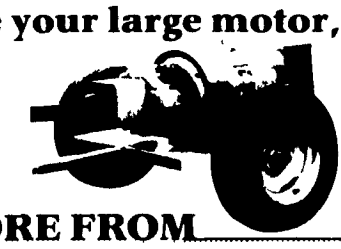

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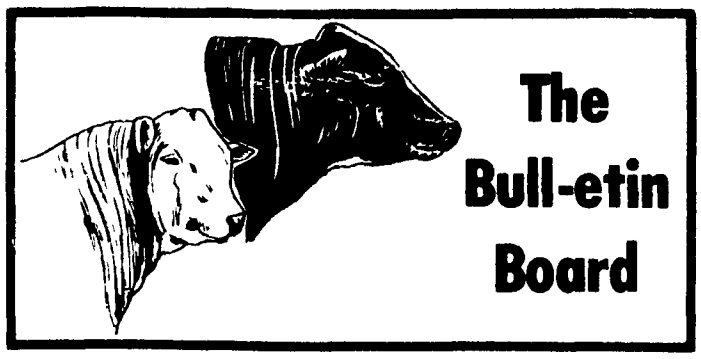

Pa. Holstein Bull Goes To ABS

DEFOREST, Wisc. — American Breeders Service has selected a young Holstein bull, Kauland Zephyr, to enter their Progeny Testing Program. He was bred by Rick Wadel, of Shippensburg, Pa., and is the result of a mating between his sire S-W-D Valiant, +$147, +1,111M and +49BF and Nor-Vi Valor Zada. His dam's best record at 2Y 4M is 21,308 lbs. of milk and 901 lbs. of fat. Her classification score as a 2-year old is VG-85 and she's sired by Sir C Valor. The second and third dams are by Lime Hollow Elevation Mars and Glendell Arlinda Chief.

Kauland Zephyr joins over 200 other young Holstein bulls being tested this year through the ABS testing program.

Angus Bulls Join ABS Lineup

Two Angus bulls with impressive progeny records and a national show champion, have recently joined the lineup of bulls at American Breeders Service, reports Keith Vander Velde, manager of beef programs for the firm.

Gartner Denowh Angus Ranch's Rito 2100 G D A R ranks very high in the 1986 Angus Sire Elevation report with an Expected Progeny Difference (EPD) of +26.7 pounds for weaning weight and +59.2 pounds for yearling weight. His EPD for birth weight is +6.3 pounds.

Rito 2100 is a great grandson of the former ABS bull 707 of Ideal 53370. In the early 1970's, 707 of Ideal was known by hundreds of Angus breeders as the "total performance bull" and was a key reference sire in the association's newly emerging Evaluation Program.

R&J Dallas 752, bred by R&J Ranch of Briggs, Texas, is another four-year-old with a good deal of progeny information. His EPD of +5.8 pounds for birth weight, +29.3 pounds for weaning weight, and +73.2 pounds for yearling weight, demonstrates his ability to pass inheritance for rapid growth on to his offspring.

The third new arrival, Harts Wild Turkey 5020, is a yearling with an already impressive show record. This grandson of Mr Angus was bred by Bradley Hart of Frederick, South Dakota, and is owned by a group headed by Weaver Angus Ranch of Peoria, Illinois. He was Junior Bull Calf Champion at the 1985 National Angus Show, Winter Bull Champion, at the 1986 National Western, and Reserve Grand Champion at the Western Futurity in 1986.

Del. Nurserymen To Meet

NEWARK, Del. — The annual meeting of the Delaware Association of Nurserymen has been set for Jan. 22 from 8 a.m. to 4:30 p.m. at the Sheraton Inn, Dover.

After the morning registration period, association president Steve Wrede will open the meeting at 8:50 a.m. A business session will follow.

At 9:45 a.m., Charles Hitzeman of the E. I. duPont Company will speak on more effective marketing. William Flemmer of Princeton Nurseries will discuss selecting trees for the Delaware landscape at 10:45 a.m.

Two concurrent sessions will be offered after lunch. A retail workshop on signmaking will be conducted by Ellen Stroud from 1:30 p.m. to 3:30 p.m. A production and landscape workshop will also be held featuring discussions by Sharon Ossenbruggen of the USDA Forest Service on tree compartmentalization and by Dr. Bonnie Appleton of Virginia Polytechnic Institute on a new field growth technique.

Susan Barton, extension horticulturist at the University of Delaware, will speak at 3:30 p.m. on new ideas from the west coast on signs, plant labeling and nursery production. Closing the all-day meeting, Robert Mulrooney, University of Delaware extension plant pathologist, will present a pesticide update at 4:15 p.m.

Cost of the event is $20 with lunch and $10 without lunch. To preregister, send a check made out to the Delaware Association of Nurserymen (D.A.N.) to Susan Barton, University of Delaware, Townsend Hall, Newark, DE 19717-1303.

Tickets will be $25 at the door.

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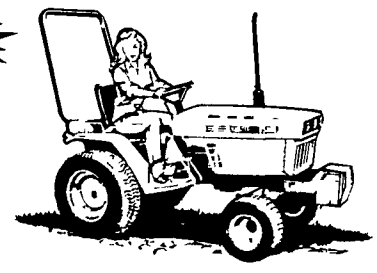

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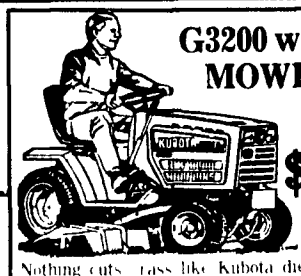

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BUSINESS NEWS...

Atlantic Seedsmen Name Baylor Executive Director

STATE COLLEGE — James Harris, president of Atlantic Seedsmen, announces that Dr. John E. Baylor has been selected by the organization's executive committee to become the executive director of the regional seed association.

Dr. Baylor brings a wealth of organizational expertise to this new responsibility. A professor emeritus of agronomy and past coordinator of Agronomy Extension at Penn State, Baylor has chaired many committees of the American Society of Agronomy and the American Forage and Grassland Council. Recipient of many educational awards and agricultural industry recognitions, including Fellow in ASA, Baylor is a skilled writer, editor, educator, and program innovator.

Assuming his new responsibilities Jan. 1, 1987, Baylor will be representing the Atlantic at the state and national levels of the seed industry. He will be developing programs to enhance benefits to the membership in the areas of improved communication with regulatory agencies, keeping members apprised of pending legislative changes and other useful information regarding seeds, crops, markets and items of interest to seedsmen.

John E. Baylor

Atlantic's membership includes farm, vegetable and turf seed companies from across the region. Since many states do not have a state seed association, the Atlantic represents all member seedsmen in the region with a unified presence whenever the need arises.

More information can be obtained by contacting the office at 298 E. McCormick Ave., State College, PA 16801, telephone 814-237-0330.

ICI Introduces New Gramoxone Herbicide

WILMINGTON, Del. — The Agricultural Products Group of ICI Americas Inc. has announced the introduction of GRAMOXONE SUPER herbicide for broad spectrum control of emerged grasses and weeds.

The product is a new paraquat formulation that provides rapid burndown control of a wide spectrum of annual grasses and broadleaf weeds, and suppression of perennial weeds. Formulated as a new 1½ pounds of active ingredient per gallon product, GRAMOXONE SUPER is labeled for over 100 crops, as well as for noncrop areas. The product is also registered for use in more tank mixes than any other contact herbicide.

In addition, ICI officials say the improved free-flowing formulation of GRAMOXONE SUPER is easier to pour while also improving tank-mix qualities.

GRAMOXONE SUPER has these features to help prevent accidental ingestion: a new dark green color for easy product identification, a strong odor and an emetic to induce vomiting in case of accidental swallowing.

York Farm Credit Announces Appointments

YORK — Two new appointments were recently announced within the York Farm Credit Service. Chambersburg branch manager John H. Brumbaugh has accepted the new position of branch manager for the Carlisle, Chambersburg and New Bloomfield offices.

Ronald C. Moore has been promoted to the position of executive loan officer.

Brumbaugh began his Farm Credit career in 1978, as a field representative with the Farm Credit Banks of Baltimore. Since that time he was employed by the Meadville Farm Credit Service and served in the capacity of loan officer and branch manager. A native of Erie, he received a bachelor of science degree in Animal Science from Penn State University.

In this new position Brumbaugh will be responsible for managing the three branch offices which serve Cumberland, Franklin, Fulton, and Perry counties.

Moore, a native of Sherman, New York was employed by the York Farm Credit Service in 1980 as branch manager of the Perry County Branch Office. Prior to this promotion he served in the position of senior loan officer. He attended the North Dakota State University and received a bachelor of science degree in agriculture economics.

John H. Brumbaugh

Ronald C. Moore

The York Farm Credit Service presently provides over $77 million in long term Land Bank loans to 1200 borrowers and $35 million in short term Production Credit Association loans to 861 borrowers in South Central Pennsylvania.

New Planter Shoe Eliminates Soil Buildup

HOLLAND, Mich. — Howard Poll, vice president of engineering and development of the Holland Transplanter Company, announced the introduction of a new transplanter furrow opening shoe.

Designated the HR-1, this new shoe features a special insert of abrasion resistant high density polymer. The utilization of this friction-free polymer eliminates soil build-up so common on conventional steel furrow opening shoes. This build up, caused from wet and sticky soil, forces the ground sideways and creates a wide furrow, preventing the packing wheels of the transplanter to properly pack the soil back around the roots of the transplant. This poor packing of the soil allows air pockets in the root area of the plant, killing the plant or slowing it's growth.

The new HR-1 shoe makes a narrow clean furrow resulting in a more uniform planting and accurate spacing of your crop. Field testing shows a smoother soil flow and better scouring of the shoe with much less draft.

This new shoe has not yet obtained patent approval but will be available this winter through your Holland Transplanter dealer for spring planting. The HR-1 has the same dimensions as the original steel shoe and therefore, can be used as a replacement on any transplanter in the field.

W & J Dairy Sales Wins Bou-Matic Award

LAS VEGAS, NV — Dr. Paul Thompson, Bou-Matic president, presented a 1986 Sales Achievement Award to W&J Dairy Sales of Oxford, Penn. at the 1986 Bou-Matic National Dealer Meeting, held in Las Vegas, Nev.

W&J Dairy Sales had the largest sales increase in Bou-Matic sales district 34, which covers Pennsylvania, southern New York, Maryland and New Jersey.

"It's award-winning dealers like Bill Guhl and his associates who have made the success and growth of Bou-Matic products possible," said Thompson. "Their skill and dedication in marketing, installing and servicing our products have been vital in building Bou-Matic's reputation for excellence in milking equipment."

The Bou-Matic product line includes innovative dairy farm milking, cooling and on-farm management equipment which emphasizes healthy and efficient milking. The company, based in Madison, Wis., honors the sales leaders in its 18 North American sales districts annually.

Bou-Matic president Paul Thompson (left) presented the company's 1986 Achievement Award to Bill Guhl of W&J Dairy Sales of Oxford.

The Farm Credit System

Farm Credit News

Farm Credit Announces Merger Proposal

BALTIMORE, Md. — The Board of Directors of the mid-Atlantic region's leading agricultural lender, the Farm Credit Banks of Baltimore, announced their unanimous approval this week of a restructuring proposal that could lead to the consolidation of 26 affiliated local Federal Land Bank Associations (FLBAs) and Production Credit Associations (PCAs) into one district-wide FLBA and one PCA.

The merger proposal will be submitted for approval to the Banks 56,000-plus stockholding borrowers next spring, subject to concurrence by the Banks' regulatory agency, the Farm Credit Administration.

Under the proposal the district-wide FLBA and PCA would continue to provide long- and short-term credit and financially related services to farmers and agribusinesses throughout the Baltimore Farm Credit District, which includes the states of Maryland, Pennsylvania, Virginia, Delaware, West Virginia and the Commonwealth of Puerto Rico. The Baltimore District, with over $2.7 billion dollars in loans outstanding, is one of 12 districts that comprise the nationwide Farm Credit System.

Board Chairman Harold B. Short said the proposal developed over an 18 month period as a result of a series of studies and reviews conducted jointly by directors and management of local Associations and the Banks.

"We entered into this restructuring study process almost two years ago," Short explained. "The objective throughout the process was to review the changes taking place in agriculture and carefully evaluate our operations to improve our ability to better serve our customers through a more efficient and responsive structure and provide more innovative and competitively priced products. Our members were foremost in our minds throughout the whole process and will continue to be as we seek approval from our stockholding borrowers."

Continuing economic stress in agriculture, changing federal farm policies, innovations in computers and business technology, increased reporting and review requirements by federal regulatory agencies were all cited as reasons that the board initiated the restructuring study.

The proposal would consolidate the 26 Associations currently serving the Baltimore District into 15 divisions with centralized management and a 52-member board of directors. The association board of directors would continue to be elected by stockholding borrowers and would have similar policy making authorities as are currently vested in the boards of the 26 FLBAs and PCAs.

"The Board is very pleased with the support and encouragement we have received from our local association directors and staff during the development of this restructuring proposal," Short said. "We believe the proposed structure will position us, organizationally, to better adapt to changes in the agribusiness and financial services industry and at the same time will enhance the quality of our services."

Farm Credit Holds Pig Roast

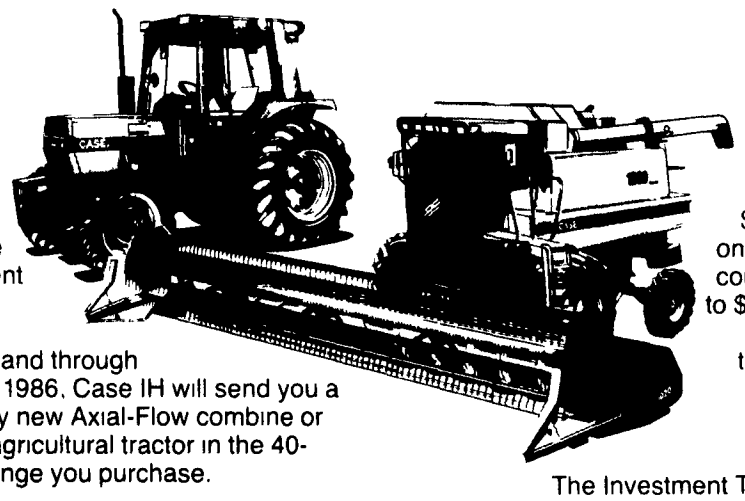
LANCASTER — The Quarryville office of the Lancaster Farm Credit Service held its first annual Pig Roast on Dec. 12, in order to show their appreciation for their customers. Handouts were available, including 1987 Almanacs.

Over 300 people attended and enjoyed the informal and relaxed atmosphere. Videos and displays on various services were available to view at leisure.

Several guests were in attendance as well, including Gene L. Swackhamer, president and chief executive officer of the Farm Credit Banks of Baltimore, and various other Baltimore Bank personnel.

It took an act of Congress to abolish the Investment Tax Credit . . .

It took Case IH to replace it.



Case IH announces the ITC replacement Cash-Back Program.
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Study Sheds Light On Cold-Weather Calf Feeding, Housing

Contrary to the practice of many calf managers, who increase the amount of milk and feeding frequency during extremely cold weather, a recent trial at the University of Minnesota showed these increases are not needed if calves are consuming a high quality calf starter.

The study also showed no advantage in dividing milk replacer feedings from two into three times.

It doesn't mean milk isn't critically important. But certainly there's no evidence for the need of feeding the extra amount, according to test spokesmen.

John Ryan of Madison Silo Co. of Pennsylvania, distributor of Poly Dome Calf Hutches, brought the study to the attention of Lancaster Farming and pointed out how the tests were conducted.

Calves in one group were fed 0.6% of birth weight in milk replacer solids, twice daily until weaning. Calves in the second group were given the same amount twice daily with the amount increased by 0.2% of body weight of every 10° in temperature drop below 30°F.

Calves in the third group also received increased amounts of replacer as temperatures dropped-fed in three equal feedings.

Starting on the fourth day, all calves were offered starter on a free choice basis. Starting at two weeks, warm water was fed between milk replacer feedings.

On the coldest days, calves in the second and third groups were receiving almost twice as much replacer as calves in group one.

Weight gains for all three groups were similar, since calves fed less milk replacer ate enough additional starter to make up the difference.

The advantage in providing extra starter to calves during cold weather- rather than feeding extra replacer- is that starter is less expensive.

The U of M researchers recommend weaning four-week-old calves during extremely cold weather only if they are consuming at least 2 lbs./day of starter at weaning, then rapidly increase consumption to 3-4 lbs./day.

Calves fed cow's milk should receive 10 lbs./day, twice a day, based on winter hutch trials at South Dakota State University.

Calves fed 10 lbs./day in two feedings gained 1.34 lbs./day at SDSU. That compares to calves fed 8 lbs. to one feeding that gained .79 lb./day.

Calves fed 8 lbs./day of replacer, fortified with ¼ lb. of a fat-whey powder, gained 1.28 lbs./day.

Five-week-old calves should be consuming at least 1½ lbs./day of starter when weaned during cold weather.

The U of M trials also compared two types of hutches: domed fiberglass and 4x8 wood, in a location not well protected from northwest winds.

Calves raised in the domed hutches gained weight the most rapidly, due to increased consumption of starter, say the researchers. The location of the starter pail may encourage the consumption, since the calves pass their noses over it frequently.

Also, calves in the domed hutches were "more active and social" than calves in wood hutches, probably because the fiberglass hutches tended to be warmer and brighter on cold days, say the researchers.

No calves died in the U of M study, but two calves raised in wood hutches were treated for hypothermia and hypoglycemia. But, had they not been treated and moved to warm housing, they probably would have died, note the researchers.

Both of the sick calves had been weaned from the high-milk diets and were consuming below average quantities of starter when they became sick.

Tri-County Swine To Change Hands

LEBANON – Carl Martin and Robert High announce the sale of Tri-County Swine Systems to John Zimmerman and Terry Weaver, effective Jan. 1, 1987. Both of the new owners are Lancaster County natives and have extensive agribusiness experience with swine systems on a local and national basis.

"Tri-County's reputation as a designer and builder of top quality swine confinement systems along with their after-sales service has led to many satisfied customers during the past seven years," according to John Zimmerman, who is currently employed by Tri-County and will serve as sales manager after the transition. "Plans are to continue this tradition along with professional planning services for any size project for current and prospective customers."

Existing product lines such as solid steel rod farrowing crates, gestation stalls, and hog fencing currently manufactured by Tri-County will remain unchanged. Other popular products such as feed bins, augers, feeders, ventilation, North Carolina's HOG SLAT and many others will be supplied as usual.

According to Terry Weaver, who will serve as general manager, few changes will be noticed by Tri-County's customers after the transition, since the business location at 608 East Evergreen Road, Lebanon, phone number and most personnel will not change.

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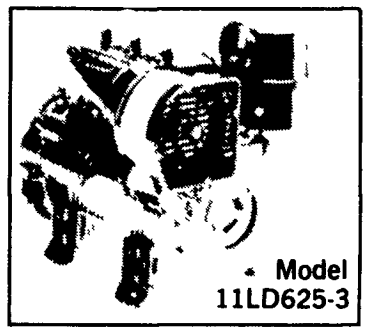
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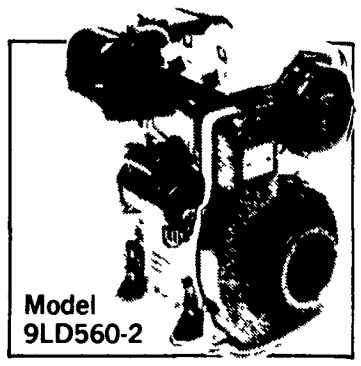
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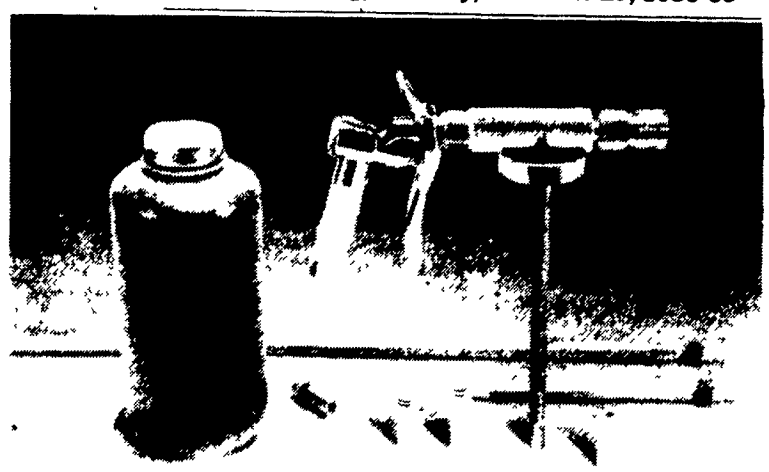
Kit Available For Applying Rust Inhibitor

CLEVELAND, Ohio – The new TRI-CON 9000 "Rust Fighter" coating system permits vehicle owners to apply professional quality, inner-body rust inhibitor compound at a fraction of dealer-applied-coating costs.

The 9000 system also makes available to the do-it-yourself car, truck, RV or farm equipment owner the means for regularly scheduled touch-up care – the secret to maximum body-life.

The system operates on a 40 to 80 psi air delivery. It comes with a full assortment of professional wands and directional tips that permit effective coating of vehicle body cavities and recesses not reachable with ordinary sprayers. The trigger operated nozzle has a quick-connect for instant snap-in, snap-out assembly of attachments.

For literature, write to: TRI-CON INC., 27331 Tungsten Road, Cleveland, OH 44132.



TRI-CON's Rust Fighter kit includes assortment of wands and tips for home application.

To be eligible for the emergency livestock feed program, a livestock owner must have suffered a 40 percent loss of feed production on the farm due to the drought which resulted in a need to purchase feed in quantities larger than normal for eligible livestock. Applications for assistance must be filed at the ASCS office by Dec. 31, 1986.

When filing an application information concerning your farming operation must be furnished to the ASCS office. This includes the amount of livestock on the farm, the amount of feed on hand and the 1986 feed production.

The feed cost-sharing program authorizes payments equal to 50 percent of the cost of purchasing livestock feed and hay, not to exceed 5 cents per pound of feed grain equivalent.

To file an application for assistance or obtain further information about the Emergency Feed Program, contact the local ASCS office before the Dec. 31, 1986 deadline date.

Video Depicts Advances In Seed Research

GOLDEN VALLEY, Minn. – A new motion picture entitled "The New World of Seed" takes viewers into the laboratory where scientists augment traditional plant breeding with new biotechnologies. The video shows how seed scientists can accelerate the rate of genetic progress with such biotechnologies as tissue culture, embryo rescue, somaclonal variation, anther and pollen culture, in vitro selection, DNA analysis and isozyme analysis.

The 11-minute videotape was produced by Vibrant Films, Inc., the producer of the internationally acclaimed film, "The Good Seed." The footage was shot at Northrup King Co.'s premier Stanton Research Center in Minnesota.

These biotechnologies are an integral part of Northrup King's total plant breeding program. For example, biotechnology supplies Northrup King crop breeders with plants of identical genetic make-up for improved field selection of pest resistant lines. It also allows Northrup King breeders to bypass normal genetic barriers so new gene combinations can be formed. In the foreseeable future, farmers may grow crops from seed with improved genes that were synthesized in the lab.

"The New World of Seed" is available through local Northrup King seed dealers and territory sales managers.

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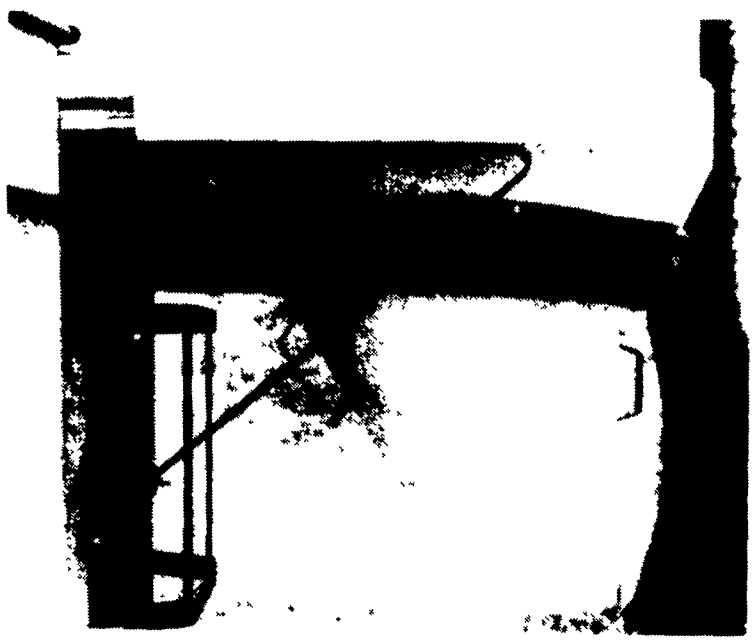

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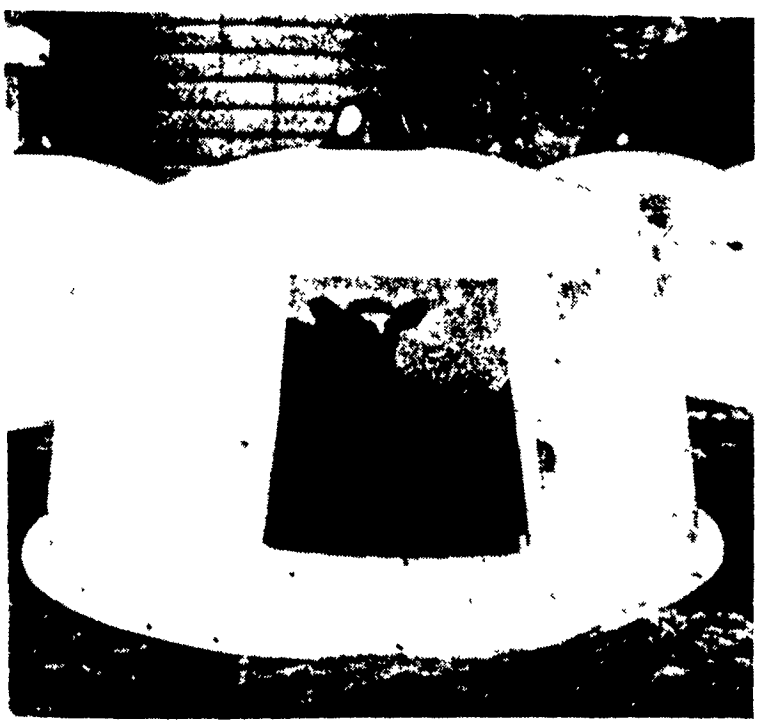

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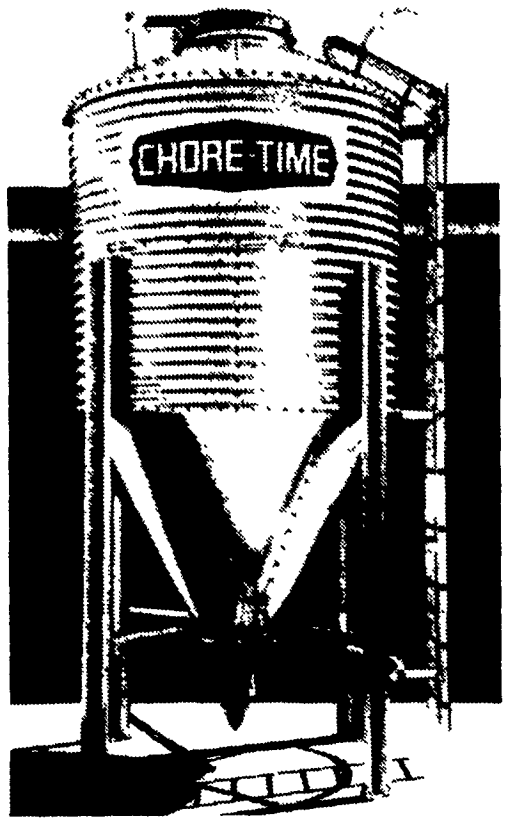

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For Sale: VH4D Wisconsin engine, good condition, $575. 717-786-7943. Between 7:30 a.m. & 8:00 a.m.

Gehl #115 grinder mixer, 1000 RPM PTO, auger extension, good working condition. $1,400 or Best Offer. After 6PM 717-656-7994. Leola.

GOOSEN LANDSCAPER BALE CHOPPER: Mulcher with blower and 30' hose, 11HP Honda engine. New $3,100. 215-346-7340.

Heavy duty liquid and semi-liquid manure spreader, $2,000. 717-733-4516.

IH 1066, black stripe, in very nice condition. $6,500. 717-532-7054.

IH 1566 w/factory cab & air, sharp, $9,600. Somerset Co., 814-467-8839

FOR SALE JD 7000 conservation planter, 4RN, liquid fertilizer, monitor, new no-till coulters, very good condition. $3,900 717-653-5244.

Ford 8000, good condition. $3,500. 301-833-9091.

For Sale: 13 Shank mounted IH #55 chisel plow, $1475. Snyder Co., 717-837-0724.

For Sale: 9' Stoltzfus lime & fertilizer spreader body, all hyd. controls. Will sell w/truck. 717-428-2748

For Sale: Hough 4WD loader, model HU, engine runs but knocks, has plantary drives. Will sell whole or part. Can Deliver. 607-847-8671

For Sale: MF 1130 diesel, $3950. JD 336 Baler w/thrower, $3650. Reason for selling, bought later models 717-534-1253.

For Sale: New Idea Kinze corn planter. Tool bar mounted Planted less than 150 acres, $6,600. 301-334-1269.

Deere 6600 dsl. rotary screen, under 1600 hrs., big tires, super clean. Kept in $9,950. "The Combine Man", 814-635-3689.

Equipment trailer, 7½'x17', 2 axle, heavy construction, 12 ply tires, 4' sides, good shape, $2,500. Cumb. Co. 717-766-4966

Farmall C w/cultivators, $650; NH 36' elevator, $725; Brillion 9' cultipacker, $175, 3 bale rack wagons, $250 each; IH 2 bottom trailer plow; MF 4 bottom 16" 3 pt. plow. 215-562-4464.

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FOR SALE: 2R custom built corn planters with JD max-emerge or Kinze plateless units. Three pt. or pull type. No-till or conventional. Also Tifone air-blast sprayers. Low as $2,800. Pequea Planter, 561 White Horse Rd., Gap, PA 17527. Lanc. Co.

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Lockwood 423 4 row potato planter; Super VI potato harvester, belted chain in excellent condition; Mark 76 potato harvester, belted chain in excellent condition. 302-734-9966, 8:30 a.m. to 4:30 p.m. 302-734-7645 after 6 p.m.

Manure bucket for JD 350 crawler; 4 tires 1100x15 with white spoked wheels. 215-445-4410.

MF 410 diesel, kept in, emmaculate, 13' and corn head, $7,950. Larry Stalter, "The Combine Man." 814-635-3689

JD 4010 D., NF, good condition, $3,300. 301-833-9091.

JD 401 w/loader, gas, 2400 hrs., excellent condition, $6,000/Offer. 301-876-1956.

JD 4230 w/cab, quad range, very nice, $10,800. 717-532-7054.

IH 1586 w/factory cab & air, duals, one owner, 1981 model, nice, $11,500. Somerset Co., 814-467-8839.

IH 2350 loader, $3,000/Offer. 301-833-9091.

IH 656 hydro, dsl., utility, $2,600. 301-833-9091.

IH 674 tractor, nice condition, $6,500. 717-532-7054.

IH 715 diesel, hydro, 13' 4-30", excellent, $6,750. Steven & Sam Stalter, "The Combine Boys". 219-862-2151

IH 820 Flex Head, 13', very good condition, always shedded. $3,000. 301-867-1888.

IH 986 w/cab, in very nice condition, $10,500. 717-532-7054.

IH hydro 70 gas, WFE w/2350 loader, $5,800. 301-833-9091.

JD 2020 diesel tractor w/model 146 loader, very nice, $6,200. 717-532-7054.

JD 210 disc, 14'-3", 18" blades front, 19" rear, excellent, $1,800. Lanc. Co. 717-354-5092

JD 210 disk, 14' wide, good condition, $1,975. 717-949-2657.

JD 3020 diesel, WF, new paint, $4,600. 717-532-7054

JD 1240 4RN plateless corn planter, $1,750. 76 JD 440 Liquifier snowmobile, $825. Both in good condition. 717-665-7434.

JD 16" 4 btm. plow, 3 pt., cover boards & mold board extentions, good condition, $550. or Reasonable Offer 301-834-6138

JD 2010 Dozer w/95 Backhoe, new UC, new steering clutches, $4,500 301-867-1888.

Del. Extension To Continue Corn, Alfalfa IPM Programs

NEWARK, Del. – University of Delaware extension personnel will again be conducting field corn and alfalfa integrated pest management (IPM) programs for Delaware farmers during the 1987 growing season. These programs are designed to help growers become more efficient in their pest control practices, make timely pest control decisions and maximize profits.

Since alfalfa producers face a wide range of crop pests and cultural problems, the IPM program for this crop will deal with the major aspects of production. Weekly scouting for insect, weed, disease and cultural problems will start in April and continue through September. At appropriate times during the growing season, participating farmers will also receive information on plant population counts, timing of fertilizer applications and cutting schedules.

Participants will be asked to pay $3 an acre to offset program costs.

The field corn IPM program will be offered for the last time in 1987. Beginning at plant emergence, participating fields will be visited once a week until pollination has occurred. A preseason soil insect sample will be taken in late March to determine the need for a soil insecticide treatment

Early season plant stand counts and weed scouting reports will be used to help growers determine if cornfields should be replanted or receive a postemergence herbicide treatment. Over the growing season, weekly reports on insects, disease and insect activity will be used to make pest management decisions In August a final weed map of each field will be drawn up as a record of the abundance and location of perennial and annual weeds

Growers wishing to participate in the extension field corn IPM program will be asked to pay $3 per acre to offset costs.

To learn more about either program, contact University of Delaware extension pest management specialist at 451-2526

Lancaster Farming
P.O. Box 366
Lititz, PA 17543
717-394-3047
or Lititz
717-626-1164

HOURS: Mon., Tues., 8 a.m. to 5 p.m. Wed., Thurs., & Fri. 7 a.m. to 5 p.m.

The following categories are available for your classified advertising in Section C. Deadline-Thursday morning at 9 of each week's publication

1 - Farm Equipment
2 - Farm Equipment Wanted
3 - Silos and Unloaders
4 - Building and Supplies
5 - Grain Equipment
6 - Dairy Equipment

The following categories are available for your classified advertising, in Section B Deadline-Wednesday afternoon at 5 of each week's publicaton

7 - Livestock Equipment
8 - Cattle
9 - Horses & Mules
10 - Sheep & Goats
11 - Swine
12 - Artificial Breeding
13 - Hog Equipment & Supplies
14 - Poultry & Supplies
15 Feed & Seed
16 - Fertilizer
17 - Plants
18 - Fruits & Vegetables
19 - Nursery
20 - Lawn & Garden
21 - Services Offered
22 - Custom Work
23 - Help Wanted
24 Situations Wanted
25 Business Opportunities
26 - Household
27 - Pets
28 Lost
29 Found
30 - Computers
31 Notice
32 Miscellaneous
33 Recreational Vehicles
34 - Autos
35 - Trucks and Trailers
36 - Real Estate

Ford Tractors Equipment | NI NEW IDEA | HESSTON | WHITE FARM EQUIPMENT

USED EQUIPMENT

Ford 6610 Tractor 700 hrs SOLD
MF 205 Combine
Farmall 340 Trac
White 2 135 Tractor
MM 670 Gas Tractor
Haybuster 1068 No till Drill
NI 213 Manure Spreader
White 281 10' Offset Disc Harrow
Century 200 gal 3 pth weed sprayer 35' Boom
18 Hydraulic Fold Field Cultivator
18' Brady Hyd Fold Chisel Plow
JD 5B 16" Plow
JD 3B 16 Plow
White 543 4R Corn Planter
Ford 2 Row Cultivator
Fox 728 2R Corn Head
NI Rotary Cutter
NH 512 Manure Spreader
White 271 23 Disk Harrow
Brady 722 Flail Shredder
Hesston 7150 Forage Harvester
Westfield 31 6 Auger
Cardinal 53 8 Auger
Glencoe Field Cultivator
Better Bilt 1100 Gal Liquid Spreader
Ford 501 Mower
Danco Rear Unload Forage Box
Woods 12 Fla Spreader
White 8?60 Combine

STANLEY'S FARM SERVICE
RD Box 46
Klingerstown PA
717-648-2088

1986 YEAR END CLEARANCE SALE

Prices good until 12/31/86

Manure Spreaders

Tag #			
1597 NH 679 Tandem Manure Spreader w/Hyd Gate	$3,500	1447 NH 512 w/Top Beater Manure Spreader	$1,395
1885 NI 213-215 Triple Beater Manure Spreader completely reconditioned	$2,950	1902 NI 213 217 Manure Spreader	$995
1446 NI 214 217 Single Beater Manure Spreader	$1,695	1435 NI 213-217 w/Hydraulic Gate Manure Spreader	995
1451 NI 214-217 Manure Spreader w/Hyd Gate	$1,895	1892 NI 218 Tandem Manure Spreader, new web	$1,750
1456 JD Ground Drive Manure Spreader as is	$195	1843 Hesston 1400 gal Self Loading Spreader	$1,295
1429 Starline RH Tank Spreader	$195	1100 NI 214 216 Flail Manure Spreader	$1,190
1529 NH 510 Manure Spreader	$695		

Tractors

1418 Ford 9N w/Hydraulic Loader	2,150	1406 Hesston 566 w/2240 Bush Hog Loader	Special Price
1433 Ford 3000 Tractor	$4,350	1445 Farmall Super C w/ Attachments	$1,950

Forage & Hay Equipment

1554 Gehl FB1580, 1000 RPM Forage Blower, like new	$2,595	1485 Hesston PT10 9' Windrower	$1,950
1899 JD 6000 Forage Blower	$795	1478 NH 479 9' Windrower	$2,695
1715 Gehl FB88 Forage Blower	$650	1479 NI 272, 7' Cutditioner	$1,150
1648 Dion 60" Forage Blower	$550	1415 Ford 501, 3 pt Sickle Bar Mower like new	$895
1851 Gehl CB800 Forage Harvester w/Hay PU, new Knives Elec Controls	$3,950	1861 NI 6 Wheel Wheel Rake	$850
1830 IH 830 Forage Harvester 2 Heads New Knives Elec Controls	$3,950	1459 NI 402 5 Bar Rake	$795
		1442 Pequea PTO Hay Tedder	$750

Tillage

1401 JD 5 Bottom 18" Semi Mount Plow	$1,495	1457 Pittsburgh 3 pt 8 Disk Harrow	$295
1897 Glencoe 9 Shank Soil Saver New Blades	$4,250		

Tillage & Miscellaneous

Tag #			
1428 Wikomi 3 pt 6' Blade	$150	1455 Arps AB350 HD 7 Blade	$350

NI 382 Solid Plus Martin Type Manure Spreader 222 bu., w/16 5x16 1 tires Now less than $6 000 Call for Special Price

Snow Flake Special
Bervac 8' 3 pt Snow Blower, 100HP plus Gear Box (Demo)
Call for Snow Flake Discount
Myers Snow Blade w/Mount Kit, as is $250
Myers Snow Blade, $195

Tag # 1421 Weaverline 330 Silage Cart, $2.495
1406 Weaverline 330 Silage Cart, $2,295
1431 Wic 7HP Straw Chopper, $950
1454 Wic 7HP Straw Chopper, $895
$100 OFF Until 12/31/86

Uni Toys, NI Manure Spreaders, MF and Hesston Toys Available

DUTCH AUCTION

New Equipment	List	Starting Price 3/10	Daily Reduction	Price Today 12/27
Soil Finisher Glencoe 12'9"	8,379 00	7,482 00	8 00	$5,514 00

Tag#	Used Equipment	Starting Price 3/10	Daily Reduction	Price Today 12/27
1881	Corn Planter White 5400 4RN w/liquid	$1 948 00	$ 2 00	$1 456 00
1602	Combine IH 403 w 3RN head & cab	7 890 00	10 00	5,430 00

Umberger's Of Fontana, Inc.
RD 4, Lebanon, PA (Fontana) 717-867-5161
Mon.-Thurs.-7:30-5:00; Fri.-7:30-8:00; Sat. 7:30-4:00

1 FARM EQUIPMENT

Be Prepared
Tire Chains At
25% OFF
1979 Prices

Examples	1979 List	25% Off
Single Truck Chains, 10.00x20	$120.25	$ 90.20
Tractor Chains, 18.4x28	$450.45	$237.95
Car Chains, H78x14	$ 40.75	$ 30.60

Many Other Sizes In Stock

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For A Good 1986.
May God Bless You
With A
Prosperous and Happy
1987

WE SHIP
UPS DAILY
SHOW-EASE STALL CO.
573 Willow Rd., Lancaster, Pa
Ph 717-299-2536

CRAWLER TRACTOR PARTS CURRENTLY DISMANTLING
AC, Cat, IHC, JD, Case, Michigan, Hough, Galion and others. Loaders, dozers, graders, excavators, rollers. Many parts removed & checked, ship anywhere.
JUST ARRIVED FOR PARTS
JD 450 w/straight blade, AC 653 dozer, AC HD 7G w/GP bucket, JD 93 backhoe attach.
USED PARTS PRICED RIGHT
II Cat 933 42A sprocket, like new/lifetime seal type, $135. each. IH 125C/E backhoe attach. w/24" bucket, $2,800. Parts brochure available.
Balanda Equipment Co.
PO Box 337
Hatfield, PA 19440
Yard Location:
Quakertown, PA.
215-855-9207
Day or Night

IRRIGATION EQUIPMENT. Long Hard Hose Traveler model 1820; Hale PTO Pump model 50FB2-3R1000; Hale Trailer Mounted Pump model #50FR-C413 high pressure high volume; 2500' Tico 8"x30'; 4000' Tico 6"x30'. 717-532-9108.

Jamesway belt feeder, 60'; (1) 20', (1) 40' single chain Clay elevators, $3,000. complete. Westmoreland. 412-238-6350

[illegible] John FC55 disc mower conditioner, 3 pt. hitch, 6'7" cut, good condition, $2,000. Huntingdon Co. 814-669-4634.

Small engine parts: Clinton, Tecumsch, Briggs & a few Lawn Boy. Will sell in bulk lot, Value $3,000., Selling for $2,175. or Best Offer. Also AC 5020 w/60" mower & cultivator, $7,700.; Hustler 251 commercial lawn mower, used 1 month, $5,995. 814-926-2176.

SNOW PLOW: Will fit any 3PTH tractor. 8'-$325; 7'-$240; 6'-$225; 5'-$175. 215-346-7340.

JD 4430, quad range, w/cab, very nice condition, $10,800. 717-532-7054.

JD 4440, powershift w/ cab, very nice condition, $15,800. 717-532-7054.

JD 7100 planter converted to liquid 3R gel tomato planter; NH 1R 3 pt. transplanter; Ford rear wheel weights. 215-754-7772

JD 720 Diesel, new tires, good condition, $2500; 12 Tooth Chisel Plow, gauge wheels, $800; NH 518 Spreader w/endgate, $800. 814-652-6531

John Deere 3020 dsl., WF, side console, dual outlets, syncro, excellent condition. $6,000/offer. 301-876-1956

Better-Bilt 26 lagoon pump, 540 RPM, full hydraulic controls, good condition. 301-790-3698.

Better-Bilt 3600 gal. liquid manure spreader, good condition. Westminster, MD. 301-398-2948.

BRUSH HOG ROTARY MOWER: 3PTH. 4'-$450; 5'-$550; 6'-$700; 7'-$1,400. Trailer Type: 5'-$700; 6'-$850. New. 215-346-7340.

Calumet 2250 gal. liquid manure spreader, fair condition, $1,500. 301-398-2948.

Calumet 8' liquid manure pump, hydraulic lift and tilt, new condition, used only once. Hagerstown, MD, 301-790-3698.

Case 1530B skid steer loader w/solid rubber tires, good condition, $3,500. 201-359-5934 eves.

Case 970 WFE, manual shift, new rubber, 1900 original hrs., one owner. Must see. $6,500. 301-833-9091.

Case 970 WFE, cab, air, low hrs., $6,800. 301-833-9091.

Chisholm Ryder multi-D bean harvester, 1983 Model rebuilt 1986, not used 1986 season, $35,000 or best offer. George Wilson, 690 Iris Rd., Casselberry, FL 32707.

13.6x28 Firestone 4 ply 23 degree ali traction changeover. $200 each. 16.9x38 6 ply Kelly Powermark Plus, $250 each. 215-257-5898.

1973 C65 Chevy, 5&2, 366 engine w/18' Eby aluminum cattle grain body, 60,000 mis., $9,000; '77, ¾ Chevy PU w/cattle bed, own owner, 24,000 on new motor, $1,500. 301-898-7426.

1976 Deere 7700 turbo, hydro, shedded, clean, $10,900. "The Combine Man", 814-635-3689.

1981 JD 4640, 520 hours, cab, air, AM-FM, quad range, triple outlets, duals, $25,500. 717-836-5927.

3250 gal. Calumet liq. manure spreader, good condition. Stump Acres. 717-792-3216. York County.

AC 7000 cab, air, low hrs., very clean, $5,800. 301-833-9091.

AC HD5 Dozer, 371 Detroit, 90% undercarriage, recent overhaul, remote PTO, 24 h.p. Pasqualli, 4WD, 3PH, PTO, loader. York Co. 717-927-6564 Evenings.

Also Better Built lagoon prop-pit agitator, excellent condition, $2,000 negotialbe. 717-788-3510

BACKHOE IH 3500. Must see. $6,900. 301-833-9091.

6600 Sidehill, hydro, in excellent condition, located in PA. $15,800. "The Combine Man". 814-635-3689

700 Bobcat, hydrostatic in running condition, $3,000. Lancaster County, 717-656-7538.

7700 Ford, dual power, load monitor, canopy, front, rear weights, 18-34 tires, good condition, $8,500. 717-626-5033.

860 Ford tractor w/rear weights, P. steering, Sauder loader, $3,400. Four like new 8.25x20 mud and snow tires on 6 lug Budd wheels, $375 and trade. 717-534-1253.

86 Ford Super Cab F-150, 4x4, 3,000 mi., $9,500. Somerset Co. 814-893-5589.

977H Cat loader, power shift, pedal steer, enclosed cab, new batteries, fair uc. $9,800. Call 717-532-6540

AC 1200, pull type 16' hyd. fold field cultivator, very good, $1,550.; Ford-Glenco, pull type 16' wing fold field cultivator, good shape, $1,050.; MF 33 double disc, plain grain drill grass seeder attach., hyd. & rope clutch lift, good condition, $1,150. 215-967-1821 after 8 p.m.

AC 200 tractor, good condition, $4,000. 301-833-9091.

GUNTHER HEUSSMAN INC.

SO. 5TH ST., EMMAUS, PA. 18049 **215-965-5203**

Call John Bolton or Gunther

QUALITY LATE MODEL FARM EQUIPMENT

TRACTORS

JD 4440 Cab, Air, Quad, 1400 hrs., excellent
1977 JD 4230 Cab & Air, Quad Shift, very nice
JD 4430 Dsl., Power Shift, 4 Post Roll Guard
JD 4620 w/V[illegible]. Round Cab, 28x38 Rubber, very nice SOLD
JD 4320 Dsl. Cab & Air
JD 4240 Dsl., Cab, Air, 1900 hrs., nice
JD 4230 Dsl., Cab, Air, Quad, 1500 hrs.
1977 JD 4030 Dsl. Cab, Air Quad, very good
JD 4020 D[illegible] Side Console, WF SOLD
1968 JD 4020 Dsl., Cab, Dual Hydraulic SOLD
JD 3020 Gas, Side Console, low hrs., very nice
JD 2940 Dsl., 1800 hrs., very good
JD 2510 Gas, WF, very good
JD 2940 Dsl., 700 hrs. w/148 loader, excellent
JD 2510 Gas 1600 original hrs.
1981 JD [illegible] Dsl., Ind. PTO SOLD
JD 2440 Dsl., Independent PTO, Dual Hydraulic, very nice
JD 1520 G[illegible], Hi-Low, Ind. PTO, 38 Rubber SOLD
1980 IH 986 Dsl. Cab & Air, Digital Clock, Red Seat, very nice
1980 IH 886, Cab & Air, low hrs.
IH 1466 Dsl. w/Cab, Dual PTO and Hydraulic, extra clean
IH 1066 Dsl., Red Cab & Air, New TA
IH 966 Dsl. Fender Tractor, 1400 hrs., 18x38 Rubber, excellent
IH 766 Dsl. w/Roll Guard, very nice
IH 856 Dsl. w/Cab, extra nice
MF 1155 Dsl., Cab & Air
Ford 2110 Gas w/Blade and Flail Mower, 377 hrs.
Ford 5000 Dsl., 8SP, 2100 hrs.
AC 185 Dsl., like new
Kubota B6000 Dsl., 4 WD w/loader and 3 pt. rotary mower

CORN PICKERS

NI 325, 2RN w/Super Sheller
NI 325, 2RN w/12 Roll Bed, like new
NI 324, 2RW 8 Roll Husking Bed
NI 323, 1R

CORN PLANTERS

JD 7000, 4RW, Dry Fert., Insect., No-till Coulters, Calf Press Wheels
JD 7000, 4RN, Dry Fert., Monitor, Insect.
JD 7000, 4RN, Dry Fert.
JD 1240, 4R Dry, Fert., Insect., Disk Openers, Minimum Tilt Coulters
IH 400, 6RN Dry Fert., Insect., Monitor, very nice
JD 7000, 4RN, Dry Fert.

LOADERS

Ford 335 Dsl. Loader Tractor, 360 hrs., 3 pt. & PTO, like new
JD 2640 Dsl., 1400 hrs. w/148 Loader
JD 2630 Dsl., 2200 hrs., w/146 Loader and Direction Reverser
Gehl 2600 Skid Loader, 1100 hrs.
NH L445 Skid Loader w/Deutz Dsl Engine
Case 1860C Skid Steer Loader, like new
Bobcat 610 Skid Loader w/Enclosure SOLD

FALL SPECIALS

1968 JD 4020 Dsl., Power Shift, Side Front . . $5,950
JD 2630 Ind. PTO . . . $6,850
JD 4020 Diesel, Side Console, Wide Front. . . $6,950
JD 520 w/3 pt., Power Steering $1,650

NEW ARRIVALS

1980 JD 4440 Dsl., Cab, Air, Quad, 20x38 Rubber, 2100 Hrs., very nice
IH 666 Dsl., WF w/3 pt.
JD 630, WF, original 3200 hrs., 17'. Four StarKuhn Tedder
NH 770 Wide Open End PU Head

TILLAGE

JD 1100 Field Cutlivator, Hydraulic Fold, 20'
Brady 17' 3 pt. Hydraulic Fold Field Cultivator
JD 1710A 11 Tooth Conser-till
JD 950, 12' Roller Harrow, like new
IH 9 Tooth High Clearance 3 pt. Chisel Plow
IH 700, 4x18 Spring Reset Plow
IH 720, 4x18 Spring Reset Plow
IH 720, 5 Base Spring Reset
IH 710, 6x18 Spring Reset On Land Plow
IH 710, 4 & 5 Base Spring Reset 16 & 18"
JD 4 & 5 Base Semi Mounted
JD 3 Base 3 pt.
JD BWA 12'
JD 12' BWF Disk
JD AW 11' Disk

CORN HEADS

JD 244, 2RW
JD 343, 3RN Corn Head
JD 443, 4RN
JD 443, 4RN LP
JD 444, 4RW
JD 643, 6R 30
AC 438, 4RW
AC 430, 4RN
AC Black 430
IH 943, 4RN
IH 843, 4RN
IH 844, 4RW
MF 43, 4RN
MF 1163, 6RN

MISCELLANEOUS EQUIPMENT

JD 8200 Grain Drill, new w/Grass Seed 18 Single Disk Openers
JD 8250 Grain Drill, Fert., Grass Seed, 21 Single Disk Openers
JD FBB 17x7 single disk Grain Drill, Grass & Fert.
JD 400 Grinder Mixer 540 PTO, very nice
NH 354 Grinder Mixer
JD 5½' Hay Pickup, like new
JD 148 Loader for 2840 & 2940 & 2510 thru 4240 Tractors
Bush Hog Loader, Quick Tach, like new
18x38-18x34-20x38 Duals
Cabs to fit IH 706 thru 1466 Tractors
Cabs to fit JD 3010-4320 Tractors
NH 513 PTO 170 Bushel Manure Spreader
JD 214 Self-unloading Forage Wagon, very good
IH Roll Guard w/Canopy
JD RG & RM 4&6R Cultivator

SPECIAL
MF 300 Combine 2R Corn Head & 12' Grain Table
1 Owner, very nice $3,650

HAY EQUIPMENT

JD 1219 Mower Conditioner, excellent
JD 1209 Mower Conditioner, Late Model
JD 346T Baler w/30 Ejector
JD 327 Baler w/#30 Ejector
JD 24T Baler w/Thrower, good condition
JD 337 w/30 Ejector
JD 410 Round Baler, very nice
NH 38 Flail Chopper, excellent condition
NH 467 Haybine
NH 852 Round Baler, Auto Wrap, excellent
NH 850 Round Baler
NH 315 Baler w/Thrower
JD 640 Hay Rake
NH 56 Hay Rake
NH 1002 Bale Wagon
NH 1012 Bale Wagon, Single Bale Unload
JD 3800 Harvester w/2R Head, very good

Trade In Special
JD 2020 Dsl., w/47 Loader, $4,200

COMBINES

1980 IH 1460 Cab & Air, Hydro, 28Lx26 Tires, very nice, Choice of Heads
1980 MF 750 Dsl., Cab & Air, hydro, 1400 hrs., very nice
1981 IH 1440 Dsl. Cab, Air, Hydro, excellent
1979 JD 4400 Dsl. Cab, Air, 900 Hrs., excellent
1980 Gleaner F2 Dsl. Cab, Air, Grain Saver, 450 hrs., 13' Grain Table, excellent
MF 550 Dsl., Cab, Air, Hydro, 1300 hrs., 23" Rubber, Choice of Heads
JD 3300 Gas, Rotary Screen, Choice of Heads, very nice
IH 82, 7' Pull Type
Corn & Soybean Chopper to fit JD 3300-4400
JD 215 & 213 Rigid Grain Platforms
MF 13' Grain Platform
IH 820 13' Flex Head
Gleaner 15' Flex head to fit F & F2 Combines

Good Selection of Grain Tables
Financing Available on Above Machines

NEW TRACTORS
234- Turf Tires
585
485
385 w/2200 Loader

NEW EQUIPMENT
IH 86 Rake
IH 15 Baler Thrower
1190 7' Mower Cond.
530 Spreader
540 Spreader
2200 Loader

USED EQUIPMENT
Woods 5' Rotary Mowers

USED TRACTORS
Farmall 656
Farmall H
Farmall C w/Equip. Cult., Plow, Snowblade, Mower, like new
154 LowBoy w/mower
Cub Low Boy w/mower & blade
Farmall Cub w/mower & blade
Farmall 140 w/Woods 6' mower
Set of Toro Gang Mowers

Case IH
LAMB'S FARM MACHINERY
Thorndale, PA
Phone 215-269-2676

USED EQUIP.

JD 4630 Tractor w/Cab
JD 4440 Tractor w/Cab
JD 4020 Side Console WF, Dual Wheels
JD 4020 Tractor WF, Side Console
JD 2840 Tractor
JD 2640 Tractor
JD 1020 Tractor
JD 650 Tractor
JD 300 Tractor w/Loader
IHC 856 Tractor
Case 770 Tractor
JD 24T Baler w/30 Ejector
JD 7000 4R Conv Planter w/Liq. Fert.
JD 7000 4R Conv. Planter w/Dry Fert.
JD 7000, 4R Planter w/Dry Fert.
JD 7700 Combine
JD 7700 Combine w/640 C.H. & Platform
JD 6600 Side Hill Combine w/444 Corn Head
JD 3800 Chopper
JD 38 Chopper
JD 34 Chopper
Bush Hog 160 Rotary Mower
NI #323 1 R Corn Picker
JD 510 Round Baler
JD 27 Shredder
JD 640 Rake
JD 660 Rake
JD 1217 Mower Conditioner
JD 1219 Mower Conditioner
JD 33 Manure Spreader
JD 400 Grinder Mixer
JD 660 Rake
JD 1450 5 btm. Plow
JD 1450 4 btm. Plow
JD 350 5 btm. Plow
(2) Used Hay Wagons
(1) Used Hay Wagon

ENFIELD EQUIPMENT INC.
Whiteford, MD 21160
Ph: 301-452-5252

NH forage wagon, 16', $675. 215-885-1032.

NH L35 skid steer, good condition, $4,200. 301-833-9091.

NH Metalert II electronic metal detector test kit (new), never used. 50% off dealer net. 717-273-7394.

NI 206 manure spreader, like new; Int. Super W-9 tractor on steel. Call 717-768-8679 evenings.

NI 212 triple beater spreader, exc., $1,500. 301-833-9091.

NI 325 corn picker, 2RN, 327 husking unit, used 300 acres. 301-797-9001.

MASSEY-FERGUSON
Where farmers' ideas take root

USED EQUIPMENT
Farmall 14 w/2ME Picker SOLD
MF 50 Gas Tractor
MF 1130 Tractor
MF 275 Diesel Tractor w/MF 236 Loader
MF 760 Combine
MF 860 Combine (900 Hrs.)
MF Balers

NEW EQUIPMENT
MF 2[SOLD]ctor
MF 250 Tractor
MF 270 Tractor
MF 383 Tractor
MF 3525 Tractor
MF 3545 Tractor
MF 3505 Tractor (Demo.)
MF Compact Tractors
MF 144 4 Bot. 16" Plow - List $7295 Cash Sale $4,995
MF 133 10' Chisel Plow- List $2,995 Cash Sale $2,395
NI 660 For. Harv.
NI Spreaders
Snapper Mowers

Winter Service Special... SAVE 10% On All Major Overhaul Jobs Performed During January & February

HAPPY NEW YEAR
To Our Customers And Friends From

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215-683-7252

NEW IDEA

USED TRACTORS
JD 4040 Power Shift
JD 2840
Farmall 400
Farmall H
Farmall Super A
Ford 6000 w/Cab
Ford 8000 w/Cab
JD 1520 Row Crop, Gas

USED COMBINES AND HEADS
(2) JD 6600 Combines
(2) 444 Cornheads
213 Grain Table
JD 6620 Sidehill

Reasonable Offers Accepted!

NEW HOLLAND

NEW HOLLAND EQUIP.
Skid loaders-L-250 In Stock
Hay Equipment
Manure Spreaders
Mowers and Rakes
Great NH December Programs—Call Today!

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Plus...
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- Kuhns Tedders
- Polaris ATV's And Snowmobiles—New & Used
- Lots of New & Used Lawn & Garden Tractors

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Rt 143,
Lynnport, Pa 18066
Phone 215-298-2011
Hours Monday Thru Friday 8 to 5
Sat 8 to 12

RINGTOWN FARM EQUIPMENT

NEW EQUIPMENT

1494 w/cab & PS
885, 4WD, ROPS
234, 2WD
244, 2WD
385, w/ROPS
475 disc, 17'5"
370 disc, 11'6"
800 Cyclo planters, 4R
IH 4500 Vibra Shank
IH 5100 Grain Drill 20x6
IH 4600 Vibra Shank

USED EQUIPMENT

IH 490 Folding Disc, 24' Well Maintained
MF Model 540 Combine w/Hds Used 2 Yrs Exc. Condition
IH 674 Row Crop Tractor Exc. Cond. 1900 hrs.

154 LoBoy w/Mower
IH 45 Baler
Case 230 Baler
IH 384
IH 1456 w/cab
IH 1256 Tractor
500 Crawler R/C
666 Farmall G, WFE
Farmall H
Farmall C
Farmall SC w/Cults
NH 555 Skid Loader
Haines bulk bodies
Massey Harris drill 16x7
Potato planters
1R Potato Digger
JD 4400 combine w/grain head & corn head
#475 Disk 17' 5" 22" Notch Discs Used One Season
IH 710 3 Btm. Auto Trip Plow, excel cond
IH forage blower
Holland transplanter
IH 4 btm. semi-mtd plow
Haines Stone Pickers
(2) IH 234 Corn Pickers
IH 1150 Grinder-Mixer
IH 456 Corn Planters
IH 400 Cyclo Planter
JD Plateless Planter

Case IH

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POST HOLE DIGGER: 3PTH, NEW. Complete with 6", 9" or 12" auger, $450; 18" auger, $650; 24" auger, $850. 215-346-7340.

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AC 7000 Dsl. Tractor
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AC D17 Gas Tractor
Farmall Cub w/1R Cultivator
JD 40 Manure Spreader w/Upper Beater
NI 214 & 218 Single Beater Spreader w/Hyd. Endgate
NI 382 Spreader, Solid Plus
8C Hydra-Mac Skid Loader

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410 Massey combine; 16x7 JD grain drill; 300 gallon sprayer. 609-728-4966 after 5 p.m.

5HP air compressor, A-1 condition, $350; 371 Detroit dsl.; TD6 engine, as is, $450. Smucker's Repair Shop, 94 Summit Hill Drive, Strasburg, PA 17579.

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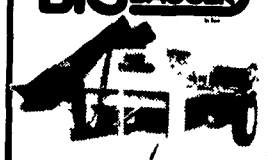

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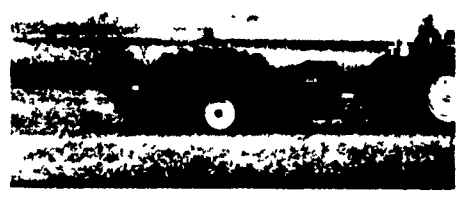
And Binkley and Hurst Bros., Inc. has a good deal waiting for you!

a. Solid

If you handle mostly solid manure the Gehl 100 Series box spreader should be your choice It s built to give you more years of service A specially constructed floor with Clad Tuff™ protection prevents the apron from freezing to the floor The Ex Ten A steel frame has more strength than ordinary steel And the copper bearing steel sides form a self healing rust scale that prevents pitting Six sizes are available with load capacities from 135 up to 425 bushels heaped (243 cu ft

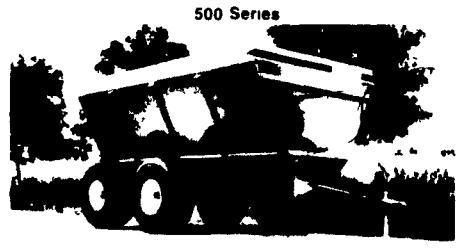
100 Series



b. Semi-Solid

The Gehl 500 Series gets semi solid manure onto your fields fast and economically Loading is easy from barn cleaner or bucket with the efficient open top design An internal chopper type auger blends manure and forces it to the oversized heavy duty, rear tail for wide even discharge patterns Engineered to handle high volumes it can spread up to 1500 gallons of semi solid manure in 2 5 minutes with uniform patterns up to 50 feet

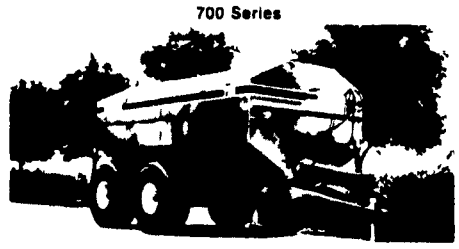
500 Series



c. Liquid

If you handle only liquid manure a Gehl 700 Series liquid tanker should be your choice Featuring an internal auger it spreads evenly uphill or down Plus two discharge outlets let you choose either high application rates and fast unloading or moderate application rates And a fill indicator helps prevent overflow during loading

700 Series



d. All of the above

The one spreader for a two spreader farm a Gehl 300 Series spreader lets you spread liquids semi solids pen pack even frozen manure The patented heavy duty square tube auger makes the big difference Turning at low RPM it produces a unique pulse action that breaks up manure in the tank Specially formed paddles rip through tough clods to deliver a steady constant flow to the discharge The auger can be powered up and down to chop through bridged and frozen material Vanflo discharge gives you complete application control

300 Series

For more answers about the Gehl spreader that best fits your manure management system talk to your Gehl dealer Or contact Gehl Company for a free manure spreader technical series buyers guide Gehl Company 143 Water Street West Bend WI 53095

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Where farmers' ideas take root

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NH 320 Baler w/Thrower
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NH 316 Baler
JD 660, 670 Rakes

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JD 716A FG. Wagon

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IH 706
AC 200 w/Cab
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JD 16' Grain Platform
Fox 3000 Fg. Harv.
JD 346 W Baler w/Thrower
JD 336 Baler w/Thrower
NH 310 Baler w/Thrower
JD 4400 G Combine
JD 444 Corn Head
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48" Haban Snow Blower For Case IH Model 234 Tractor. Unit Has Electric Power Takeoff Attachment And Electric Shute Control. Like New And Only $1,295

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* Hay Rakes & Tedders
* Rotary Mowers 4'-7'
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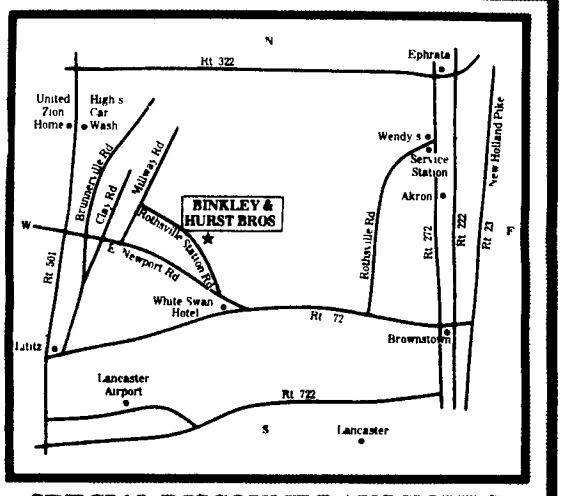

SPECIAL DISCOUNT DAYS HOURS:
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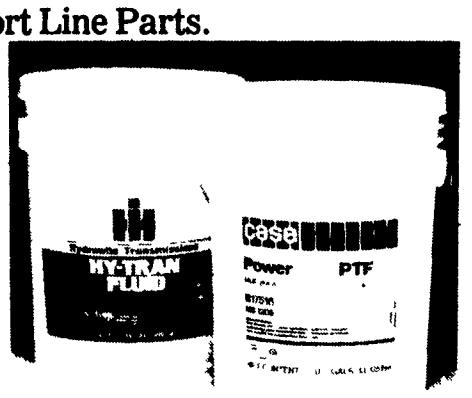
WE HAVE THE IDEAL LUBRICANTS FOR ALL YOUR EQUIPMENT



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- ☐ Disk harrow blades
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- ☐ Head and work lights
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- ☐ And many more!

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NI 224 NI 214 NH 675

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New N.I. 272 Cut-ditioner, 7 Ft. Cut, Ideal for Corn Stalks **$4,900**

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Ford 3400 Loader & Hoe
Ford 3600 D.
Ford 3000 w/Loader
Ford 3000 8 speed
Ford 2810, 600 hrs.
Ford 2110, 500 hrs.
Ford 2000 D, NFE
Ford 2000 G, 8 SP
Ford 1100, 4WD
Ford 801 w/Loader
Ford 420 w/Loader
Ford 335 w/Loader
Ford 7600 w/Dual Power
MF 180, 8SP
Mitsubishi 210, PS
AC D15 3 pt.
AC CA w/equip.
IH 574 w/Loader
IH 454 G, PS
Case 830
JD 3020 D., NFE
JD 3010 D., NFE
JD 2010, G, NF
JD 850 w/Loader
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MF 175 D 8 speed
MM 445, WF
NI 323 Picker
NI 206 Spreader

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Owatonna Mustang 345 Skid Loader, Like New
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Owatonna Mustang 1700 Skid Loader
Bobcat 500 Skid Loader w/Bucket & Manure Fork
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New MF 220 & 224 Balers Super Discounts Till Dec. 31st

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USED EQUIPMENT

MF 23, 43 & 44 corn heads	1977 MF 760 Combine w/heads
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Jan. 1, 1987

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Without you we could not exist. We will always do our best to be of complete service to you and to satisfy you.

We do appreciate your business. But most important of all, we wish you and your family a New Year filled with health and prosperity.

Binkley & Hurst Bros., Inc.

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Leonard Hurst - General Mgr.
Amos Hurst, Jr. - Service Mgr.

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Kimberly Martin
Kathy Strickler

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Don Hoover
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Wilson Horst - Mechanic
Titus Zimmerman - Mechanic
Milton Horst - Truck Driver
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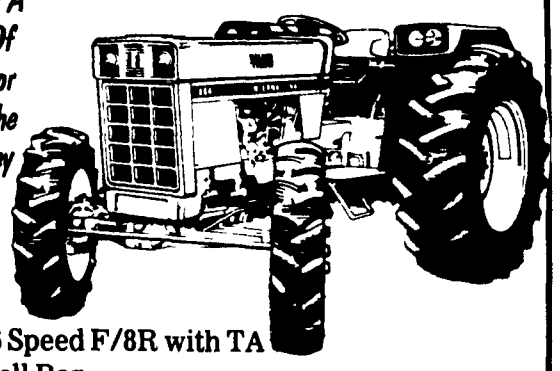

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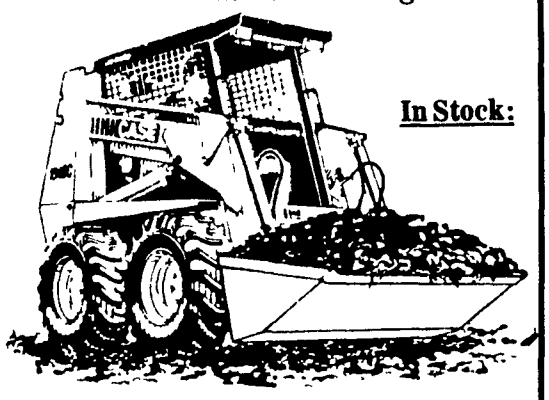

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CASE IH 1494 TRACTOR
75 PTO H.P.
w/Cab & Air

Waiver of Finance till November 1987

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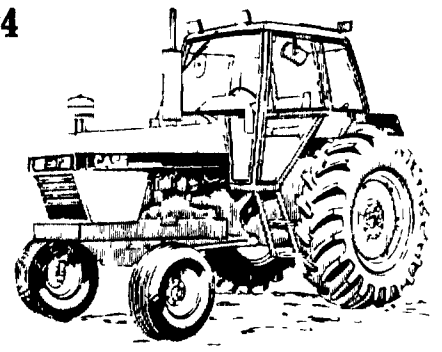

CASE IH 2294 2WD, 131 H.P.

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HAY & FORAGE

- IH 555 Forage Harvester w/Cornhead & Pickup
- NH 770 Harvester w 2 Row Cornhead & Pickup Attachment
- IH 56 Blower
- NH 320 Baler w 70 Thrower
- NH 258 Rake w Dolly Wheels Used 1 Season
- NH 880 w/Pickup Attachment
- IH #40 Shredder 4 Row
- NH 2 Row Snapper 30 Rows
- IH 37 Baler
- NH 269 Baler w Thrower
- New Idea Wheel Rake
- Magee Grinder Blower For High Moisture Corn
- NH 442 Disc Mower
- NH Model 1890 Self Propelled Forage Harvester CAT Engine 3 Row Cornhead & Pickup Attachment Good Condition
- Gehl 99 Twin Blower Excellent Condition
- NH 489 Haybine
- Woods Model 208 Rotary Cutter
- NH 67 Baler w Chute Nice
- MF Model 1560 Round Baler
- NH 24 Elevator
- Little Giant Elevator Like New

TILLAGE

- 9 Tooth Glencoe Soil Saver
- JD KBA 10 Ft Transport Disk Harrow
- IH 370 Disk 12 Ft
- MF Hyd Wing Fold Disc Harrow 19 Ft Ex Condition
- IH 700 Plow 4 Bottom 16 Semi Mt
- Case 8 Ft Disc Harrow
- IH 710 5 Bottom Auto Reset Plow
- Int 55 9 Shank Chisel Plow w gauge wheels $1250

SKID LOADERS

- NH L775 Skid Loader w 66 Bucket & Backhoe

CASE IH TRACTORS & EQUIP.

NEW
8.8% Interest
Or Waiver Till Nov. 1, 1987

USED
8.8% Interest
Or Waiver Till June 1, 1987

PLANTING & SEEDING

- IH 400 Planter 6 Row w Dry Fert
- AC Grain Drill
- Ontario Drill

SPREADERS & GRINDER MIXERS

- NH 791 Hydraulic Headgate
- Tandem Axle Starline Tank Spreader Excellent
- NH 519 w/Hyd Endgate
- NI 10 Ton Tandem Axle Hyd Gate Top Beater Ex Cond

TRACTORS

- IH 966 w/Cab, Ex. Condition
- Cockshutt Tractor, Model 30, Nice
- IH 966 3 Pt. w/20.8x38 Rear Tires, Ex. Cond.
- IH 454
- IH 184 Cub Lo-Boy w/Mower
- Farmall H w/Loader
- Farmall 350 Fast Hitch
- Farmall 300

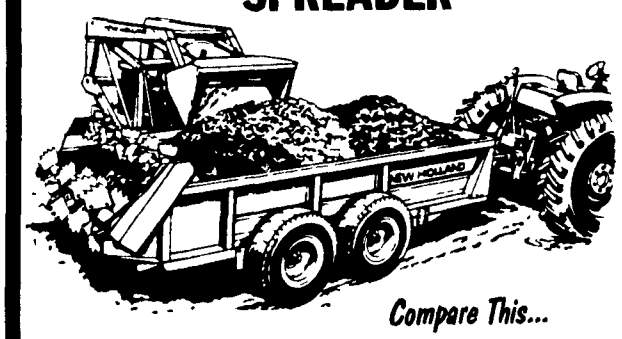
FREE FINANCING TILL APR. 1, 1987

- USED DUNHAM MODEL 22 LOADER w/Bucket, Good Condition **$1,450**
- N.H. 488 HAYBINE, Like New **$4,850**

ATTENTION FARMERS: If Parts Are Needed After Hours To Keep You Going, Call Jay Gainer, Our Parts Mgr At Home 653-2238.

Thanks For Your Patronage In 1986 ... We Look Forward To Serving You In 1987

N.H. MODEL 791 SPREADER



Compare This...

Load More Bushels With A Big 227 Cu. Ft. Struck Level

- Extra Heavy Duty Floor Chain w/24,500 Lbs Tensile Strength
- 16 Bolt-On Replaceable Heavy Duty Paddles

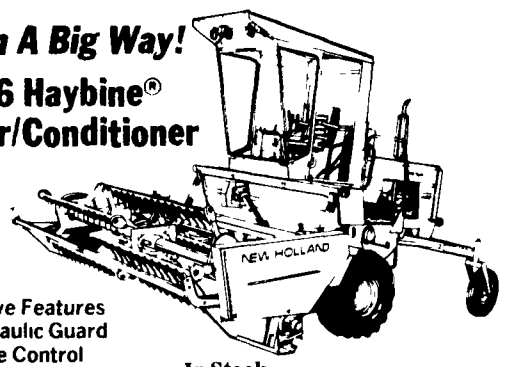
Option Slow Speed Kit For Topdressing

In Stock

FREE FINANCING Until May 1, 1987
Or
CASH REBATE

Hay In A Big Way!

1496 Haybine® Mower/Conditioner



Exclusive Features
- ★ Hydraulic Guard Angle Control
- ★ Rollareel Header
- ★ Twin Sickle Drive
- ★ Swath or Windrow

In Stock
Selling Below Invoice
PAY CASH & SAVE $4,775

N.H. 353 GRINDER-MIXER

2 Yr. Warranty

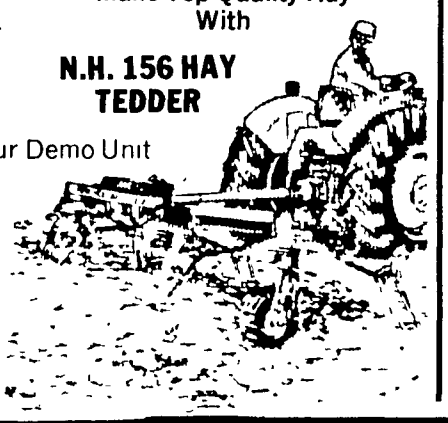
- Heavy Duty PTO
- Flotation Tires
- 16 Hammermill
- 80 Bushel Tank
- 10 Ft Unloading Auger

$6,575
PAY CASH AND DEDUCT . . . . . -400
SELLING PRICE $6,175

Deadline: Dec. 29th

Make Top Quality Hay With

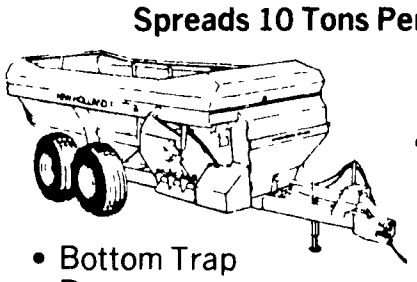
N.H. 156 HAY TEDDER



Selling Our Demo Unit
One Only
$1,350
Pay Cash & Deduct $200

NEW MODEL 308 SLURRY SPREADER

Spreads 10 Tons Per Load!



- Free Floating Auger
- Long Tongue
- Bottom Trap Door
- Right Hand Discharge

Only One Left
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NEW HOLLAND HAY AND FORAGE EQUIPMENT

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NEW EQUIPMENT
WHITE-
2-88 Tractor w/Cab
508 4/5 Bot. Plow
598 5/6 Bot. Plow
5100 6-Row Planter w/Dry Fert.
Field Boss 16 Compact Tractor, 4WD

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10' 2 Pull Type Tedder
11' 6 Rake & Tedder
17' Pull Type Tedder

GEHL-
BU970 For. Box
FB 1580 Blower
RM 1460 Round Baler
DC 2330 Disc Mower Cond.

NEW IDEA

FARM EQUIPMENT
NEW IDEA-
353 Spreader
362 Spreader
272 Cutditioner

USED EQUIPMENT
NI No. 10 Cornpicker
Gehl FB99 Blower, Reconditioned
NI 213 Spreader
Int. 403 Diesel Combine, 4 Row Narrow Hd., 13 Ft. Grainhead, Cab - Good Cond.- See By Appointment Only!
Int. No. 110 Forage Box with No. 330 Running Gear, Nice.

MILLER EQUIPMENT CO.
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USED TRACTORS
JD 3020 Side Console
JD 4020 w/Hiniker 1300 Cab
Case 1394 w/14 Hrs.
Case 1210 Power Shift
Ford 5000, 1971 model
Ford 7700 w/cab & Air
Ford 3600 Dsl. w/P. Steering
Ford 4000 SU, Gas, Very Nice
Ford 601, 5 spd., power steering
Ford TW10, 4 WD w/cab & Air
Ford 7700 4WD w/Cab & Air
Ford 7700 4WD w/Cab & Air, w/Ford 777F Loader
AC WD45
Oliver 880, power steering
Oliver OC4 Crawler Loader

USED EQUIPMENT
Case Skid Steer Loader, Water Cooled Engine
NH 770 w/Both Heads
NH 707 3 pt. chopper
NH 890 w/2 row
NH 718 w/2 row
NH S717 w/1 row
Gehl CB600 w/2 row
NH 845 small round baler
Gehl 1400 Small Round Baler, Very Nice
NH 276 baler w/thrower
NI 325 Super Sheller
NI 325, 2 RN, 12 Roll Bed
NI 323 1 row picker
Oliver 4-16 ST plow
Oliver 4-16 AR plow
White 5x18 AR Plow
Gehl 710 forage box
NI 213 Manure Spreader w/Endgate
NI 214 Flail Manure Spreader w/Endgate
NH 474 Haybine
NH 477, 7' Haybine
NH 256 Rake w/Dolly Wheel
NH 258 Rake
Gehl 910 forage box
NH 354 Feed Grinder

Call Norm or Mark at

Norm Shores & Son Tractor
Towanda, PA
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MF 760 Dsl., V8 hydro. Combine. AC cab w/ heater, 30 5Lx32 tires, 16' table w/pickup reel & auto. header heights control, Chopper & bin extension, v.g. condition, 301-272-2620 night.

NH 852 auto wrap baler, used one season, like new, barn kept, $7,000 301-898-7426

NH flail spreader w/ hydraulic cover, good working order. $550. 301-398-2948.

USED EQUIPMENT

TRACTORS
White 2-70 Tractor

COMPACT TRACTORS
IH 234 Diesel, 4WD

SKID LOADER
NH L35

HAY TOOLS
NH 273 Baler w/Thrower
NH 276 Baler w/Thrower
NH 469 Haybine
NH 479 Haybine
Owatanna 217 Haybine, 9 Ft
NI 290 Mowditioner

GRINDER MIXERS
NH 353
NH 354

SPREADERS
NH 676 Spreader w/Hyd Endgate
JD 465 Tank Spreader
NI 214 3 Beater

SPRAYERS
Walsh 300 Gal
Cent Tractor 300 Gal

PLANTING & TILLAGE
Brillion 14' Transport Harrow
IHC 400 4-Row, No Til
Case 7' Soil Controller
Oliver Superior No 26 Grain Drill
JD 210 12 ft. Disk

MILLER DISK
10 Ft , 5 Inch
with Leveling Cylinder
$6,350

PICKERS
WD Allis Chalmers w/NI Mtd Picker

LAWN & GARDEN
White 1610 w/42" Mower
Crown Stone Picker, 4½ Ft Wide, Hyd Driven
Cub Cadet 72 w/Mower
Cub Cadet 106 w/Front Blade & Mower

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- TIME AND ENERGY SAVINGS UP TO 60% TIME SAVING
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- OUTLASTS BUCKET WEAR
- MADE FROM HEAVY INDUSTRIAL EARTH MOVER TIRES
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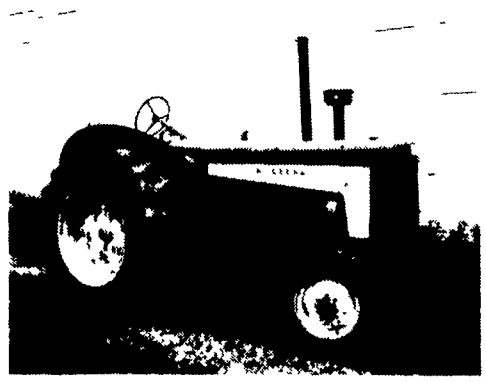

JD 830 DIESEL
2600 Hrs., 75 HP, Electric Start
All Original
$3,800

JD 3020 Diesel, WFE	$4,900
JD 2030, Dsl. High-Low	$5,500
JD 4020, Cab, Dual Hyd	$6,500
IH 1066 Fender, Nice	$6,500
JD 2440, 2400 Hrs., Nice	$7,900
JD 4230 Cab QR	$9,500
JD 4430, Cab, PS	$9,800

717-532-8926
Can Finance — No Sunday Calls

WANTED. Good, used, NH 311 hay baler, New 456 NH mower; 752 NI crusher, NH 1003 bale wagon 717-295-3137 or 717-394-5573

MF 750, 6-30" and grain head, very good, $12,750 Larry Stalter, "The Combine Man", 814-635-3689.

Combines, corn heads, grain heads-inventory moving fast. It's hard to keep up with advertising. Wholesale prices only. Call us. "The Combine Man". 814-635-3689

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New and Used Parts Available for Cat, Allis Chalmers, IHC, Case, John Deere and others
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Call or write for equipment and parts brochure.
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GOOD USED FARM EQUIP.

NH 489 Haybine, Cut 200 Acres, Like New	$4,800
JD 15.5x38 Snap On Duals	$250
NH 316 Baler, Baled 4000 Bales	$6,000
NH 489 Haybine, Brand New, Never Used	$7,150
IH 784, Dsl., TA, Dual Hydraulic, Dual PTO	$7,500

WILL TRADE
Can Deliver
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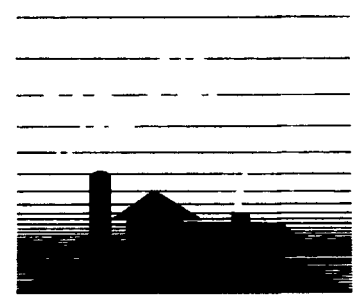
The countdown begins and the time draws near



to wish all our good friends a very good year!

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Used Farm Equipment Sales & Service
10 miles S. of Lancaster along Rt. 222

QUALITY TRACTORS AND EQUIPMENT/REASONABLY PRICED/SERVICED & BACKED WITH A 100% WARRANTY ON ENGINE AND DRIVE TRAIN ON TRACTORS PRICED OVER $4,000
DELIVERY AVAILABLE ANYWHERE

TRACTORS

JD 4440 Quad range, fact. cab & air
(2) 1981 JD 4240 fact. cab & air, quad range, very nice
1982 4040, Powershift fact. cab & air, radials, 1200 hrs., 1 owner, very nice.
1986 JD 2950, fact. cab & air, 400 hrs , one owner
JD 4430, fact. cab, SOLD air, powershift
JD 4430, quad, fact cab & air
JD 4430 4 post roll guard, powershift, 1976 model
(2) JD 4230 Quad range, fact. cab & air, nice
JD 4020 dsl , w/500 hrs. on major overhaul, year round cab, dual hyd, diff-lock, WF, very nice
JD 4010, gas, WF
JD 2750 Fender tractor, like new
JD 2640, very nice
JD 3020 Dsl., side console, WF, syncro.
JD 1530 Dsl. w/recent engine overhaul
JD 950 Dsl w/loader
JD 730 Dsl., 3 pt., dual hyd., elect. start
JD 720 Dsl., rebuilt engine & pony motor

Case 2090 w/fact cab & air, powershift, 1983 model, very nice
IH 5288, fact. cab & air, fully equipped, 20-8-38 tires
IH 5088, 700 hrs , Western Interior, very nice
IH 5088 1200 hrs, Western interior, duals & weights, 3 outlets w/lift-assist, 1982 model.
IH 1486, 1981 model, 3 outlets, Western int., dual PTO, all of the late features, very nice
IH 1486, fact. cab & air, red interior, 20.8x38 radials, dual PTO & 3 outlets
IH 1086, fact cab & air, new TA, diff-lock, red seat, 79 model
IH 1086 fact. cab, air, fully equipped
IH 986, 1981 model, fact cab & air, all the late features, low hrs., nice
IH 986 Fact Cab & Air 38" Rubber
IH 986, fact cab & air, '79 model, 1000 hrs
IH 886, 1980 Model, Fact Cab & Air
IH 886 Cab & Air, Fully Equipped, Sharp Low Hr Tractor
IH 1066, 75 model, red cab, air, radial tires, very nice
IH 1066, fact red cab & air
IH 1066 w/100 hrs on Major Overhaul, sharp
(2) IH 966 Fender tract 3 pt, WF, one very nice
IH 1456, 20.8x38, dual PTO & hyd , nice
IH 1206 w/dual hyds & PTO's
IH 856 Dsl WF, fender tract
IH 856 Dsl , 3 pt , WF, year round cab w/air
IH 826 Dsl , 3 pt., nice
IH 806 Diesel, 3 pt. WF
IH 766, WF, 3 pt. with cab
IH 766, WF, 3 pt fender tractor
IH 756 dsl w/cab & 3 pt WF
IH 756 Dsl 3 pt WF, very nice
IH 784 w/TA & late shift pattern, 1983 model, 790 hrs
IH 584, 1980 model w/2250 quick tach loader, 1050 hrs.
IH 584, 1980 model w/Westendorf quick attach loader
IH 574 Gas, 951 hSOLD quick tach loader
IH 656 Dsl , hydro, 3 pt., NF
IH 656 gas, hydro WF, 3 pt , sharp
IH 460 gas utilitySOLD built engine
Farmall 450 gas w/fast hitch, 375 hrs , on complete engine overhaul, very nice
Farmall H, live hyd , nice

Ford 5000 Dsl , w/cab & air, late model, low hrs , very nice
AC 180 Gas, WF
MF 175 Dsl w/multi-power

HARVESTING EQUIPMENT

IH 715, Cab & Air, Gas, Hydro, 800 Series, Throat, w/810 grain head & IH 843 corn head, very nice unit
K Gleaner w/3RN & 10' grain head, nice
NI 801 fact cab & air, rear wheel assist
(2) NI 709, cab, air, hydro, sharp
Late NI 702 w/737 husking bed, choice of heads
NI 701 Inline 6 cyl , gas, variable speed, cab
NI 710 Combine w/711 Grain Head
NI 325, 2RN, 12 roll bed, nice
NI 325 2RN, 8 roll husking bed
NI 323 Picker, good
NI 716S Grain Head
NI 767 Super Chopper, nice
NI 740 & 741 Quick Tach Throats
NI 768 W&N, 763 Chopper head
NI 3 & 4RN Hds.
NI 2, 3, & 4RW hds
NI 769 Flail-mate for Uni Chopper
MF 44, low profile, 4RW
MF 13 grain head
IH 810 13' grain head
IH 843 4RN corn head

IMPLEMENTS

White model 425 chisel 10-tooth, heavy duty, high clearance w/Buster bar, 1 yr old, 100 acres total.
IH 720, 4x18 Togle trip
IH 710, 4x18" Auto Reset
IH 700 4x16" auto reset
IH 6000 Conservation til chisel, 13-tooth
Pull type 11 tooth high clearance chisel
3 pt 10 tooth chisel, high clearance
IH 10' 770 offset disc
Kawanee 10' Cultimulcher
JD 110 Disc, 14'
JD AW Disc, 14'
JD RWA Disc, 12'
IH 500 12' plowing disc
IH 480 Wing Fold, 21'
IH 37 10' Disc, nice

MISCELLANEOUS

IH 2001 Loader
Dual wheels 34 s and 38 s
3 Cabs to fit 06 series thru 66 series IH tractors
Tractor Weights JD & IH
JD Adapter for High Moisture Ear Corn for JD Chopper
1957 Dodge 500 straight truck $500

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IH 70 hydro w good hydro
IH 806 Diesel
NI 702 D
IH 706 Gas Tractor
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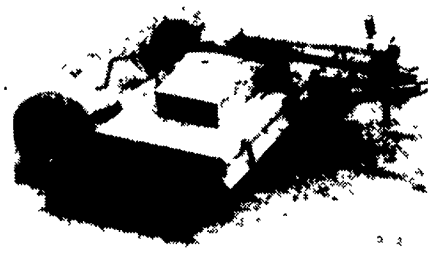
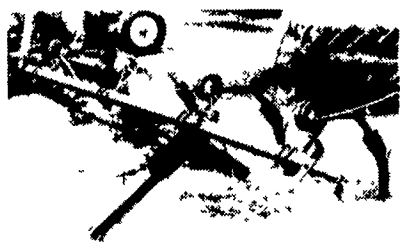
INVENTORY REDUCTION SALE

MISCELLANEOUS EQUIPMENT

PRICES REDUCED

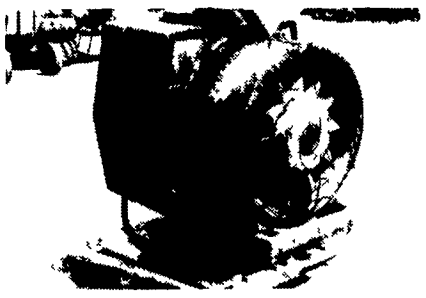


New Woods Model C-114 Mower 9'6" Cut, Twin Blade (R9386)
$2,950



John Blue Anhydrous Tool Bar - 5 Knife, 38" (V9919)
$875

IH 56 Blower, 540 PTO (U1756)
$975



FMC, Model 1229 Airblast Sprayer, 540 RPM PTO (V1842)
$1,750

Hedlund-Martin "Equalizer" Manure Loader (V1678)
$2,900

IH 540 Manure Spreader, 160 Bushel, Hydraulic Endgate, 8.25x20 Tires, Completely Rebuilt (V9769) **$2,975**

Brillion 12' Cultimulcher
$2,800

Bush Hog Rotary Mower, 12' (U2039)
$1,300

John Deere 7' Cycle Bar Mower, Belt Drive (U2040)
$1,050

New Idea 279 Cutditioner 9' (2090)
$2,250

Landoll 15 Shank Slicer Chisel Plow (T1960)
$7,500

USED TRACTORS

IH F706 w/Fast Hitch, Gear, TA, 540-1000 PTO, 16.9x38 Tires (W1736)
Versatile 160 4WD w/ Loader, Diesel, Hydro, AC, 540 PTO (W1364)
IH 966 Diesel, Gear, TA 18.4x38 Tires, 1000 & 540 PTO (W1439)
IH 4140 Gas Skid Loader w/60" Bucket (W1562)
IH F460 Diesel Gear, 2 Point Hitch, 15.5x38 Tires, 540 RPM PTO (W1446)
New Holland L778 Skid Loader, Hydrostatic, Gas (W9768)
Case 1537 Uniloader
IH 1206 Diesel, Hydro, Cab w/AC, 540-1000 PTO, 28.1x34 Tires (W1670)
IH F1066D, 18.4x38 8P, Dual PTO, Gear (W1316)
IH F1066, Diesel, Gear, 540 & 1000 PTO, 20.8x38 Tires (W1715)
IH 6388 2+2, 4WD, Diesel, Gear, AC, 540 & 1000 PTO, 4 Hyd. Outlets, 18.4x38 Duals (W1681)
Case 1845 Uniloader, 72" Mat. Bucket & Fork (W2153)

USED TILLAGE

Krause 3124 Landsman
White 252 10' Disc
Bush Hog 12' Disc, 9" Spacing
Deere 110 Disc, 10'9" Spacing (T8034)
Athens 131 Flex-Frame Disc, 14', 9½" Spacing (T1556)
IH 470 18' Disc, Rear Mulchers, Tandem, Spacing 9" Frt. 7½" Rr., Size 16½" Frt. 17½ Rr., Cyl. & Hoses (T1699)
JD 111 Disc, 10', 9" Spacing (T1602)
Athens 83 10' Disc, Size 19" Frt. 21" Rr., Cyl. & Hoses (T1604)
Rhino FB90 Disc 24', Size 20" Frt. 21" Rr., 9" Spacing (T1714)
IH 501 14' Disc, Tandem, 10½" Spacing, Front 19", Rear 22" (T1824)
IH 14 Subsoiler, Auto. Reset, Coulters, Gauge Wheels, Like New (T1514)
Colby 12' Disc, Front Notched Blades (T1769)
JD 330 Disk, 20' Flex Wing, Tandem, Spacing 11" Front & Rear (T1950)
Landoll Soil Saver, 15 Shank (T1960)
JD E1700 Tiller Chisel, 9 Shank, 22" Blades, Spike Drag (T2091)

USED COMBINES

IH 205, Gas, Cab, 12" Header, 227 Cornhead (U1132)
IH 715 Diesel, Gear, Cab, 23.1x26 Tires (U1849)
Deere 4400 w/Straw Chopper, Hydro, AC, Diesel, 18.4x26 Tires (U9806)
Gleaner "G", Diesel, Cab, Gear (U1369)
IH 815D Hydro, A.C , 23.1x26 Tires (U1844)
JD 7700 w/Straw Chopper, 24.5x32 Tires, Gear w/Variable Speed (U1361)
MF 510 AC, Grain Saver, 18.4x26 Tires (U1995)
MF 510, AC, 18.4x36 Tires (U1992)
IH 715 w/Straw Chopper, Diesel, Hydro, AC, 23.1x26 Tires, 1100 Hrs. (U1961)
IH 1460 Hydro, AC, 28x26 Tires (U2060)
IH 1480 4 WD, Hydro, AC, 34x30 Tires (U2034)
JD 6620 Side Hill w/DJ Monitor, Hydro, AC, 28Lx26 Tires, 1228 Hrs. (U2121)

USED GRAIN DRILLS

Great Plains 12' Drill w/Pull Hitch (V1570)
IH 620 Grain Press Drill, 21 Openers, 7" Spacing, (Ideal for Soybeans & Alfalfa) (V9302)
Haybuster 1206 No-Til, 12', 6" Spacing, Fertilizer (V1462)
Deere 8300 Grain Drill, 16 Double-Disc Openers, 10" Spacing, Press Wheels (U9922)

HAPPY NEW YEAR FROM ALL OF US IN THE PARTS DEPARTMENT

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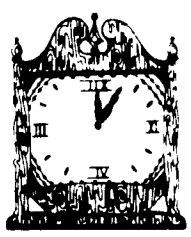
STOCKMEN - JOHN YODER, LLOYD GROFF, HENRY ESHLEMAN



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CASE IH DISPLAY
Space #65-71, 80-93, 102-115

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All New & Used Products Backed By Hoober Parts & Service

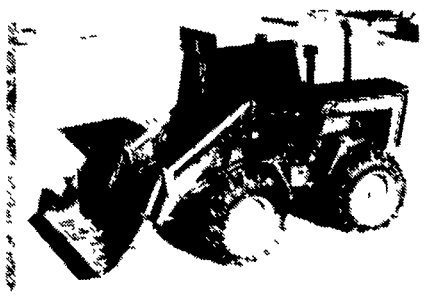
Radio Controlled Trucks For Better Service

(717) 768-8231

VISA

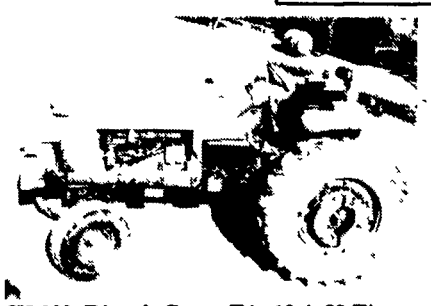
YEAR-END INVENTORY PRICES

TRACTORS



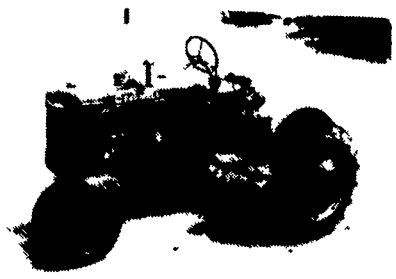
Versatile 160 4 WD, 100 HP Diesel Engine, Hydro Transmission, Loader, 3 Point Hitch, PTO (W1364)

$17,800

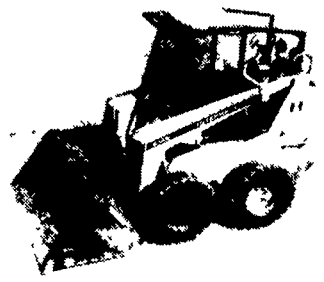


IH 966, Diesel, Gear, TA, 18.4x38 Tires, 1000 & 540 PTO (W1439)

$9,800

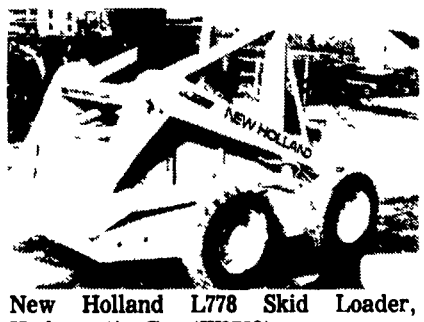


IH B Tractor, Gas, Gear, 9.5x24 Tires (W1750)



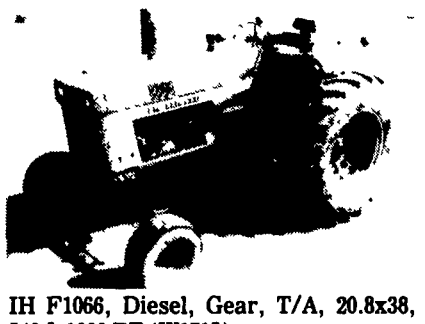
IH 4140 Gas Skid Loader w/60" Bucket (W1562)

$5,900



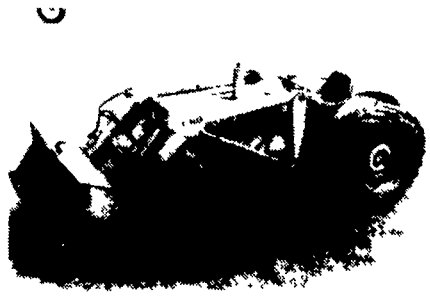
New Holland L778 Skid Loader, Hydrostatic, Gas (W9768)

$6,800



IH F1066, Diesel, Gear, T/A, 20.8x38, 540 & 1000 PT (W1715)

$12,900



Ford 3400 D Industrial Loader

$6,500

Case 1845 Diesel Uniloader, 72" Bucket 2340 Hours, Sharp (W2153)

$10,500

PLOWS

JD 11' Mulch Tiller, Tandem (T2091)

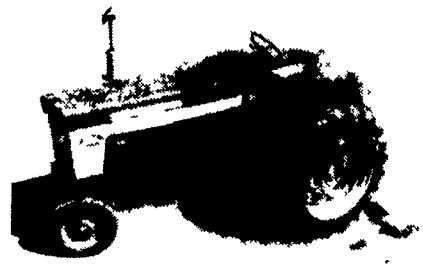
$2,500

IH 700 6 Bottom Plow, Auto. Reset, 16" (T1459)

$1,875

IH F706 w/Fast Hitch, Gear, T/A, Diesel, 540 & 1000 PTO, 16.9x38 Tires 90% (W1736)

$5,900



IH F460 Diesel Gear, 2 Point Hitch, 15.5x38 Tires, 540 RPM PTO (W1446)

$2,850

IH 55 Chisel, 11 Shank, Spring Trip, Depth Gauge Wheels (T9796)

$1,575

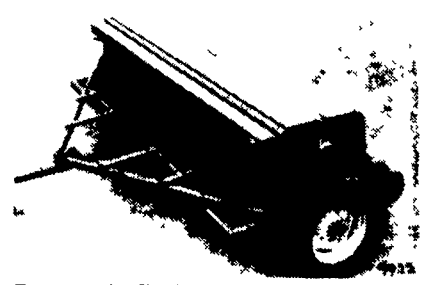
IH 55 Chisel, 3 Pt. 9 Shank (T1434)

$1,275

USED GRAIN DRILLS

IH #10 7x16 Grain Drill, Fert. Seed Box, Grass Seed Attach. (V1752) Was $1,500

$1,200



Deere 8300 Grain Drill, 16 Double-Disc Openers, 10" Spacing, Press Wheels (U9922) Was $4,000

$3,500

IH 540 Plow, 4F-16", Shifting Hitch, Semi-Mount (T1851)

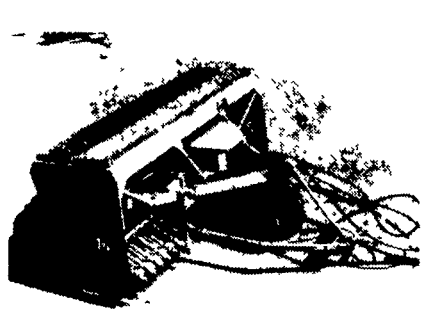
$1,275

White Model 548 Plow, 6F, 18", On-Land Hitch, Automatic Reset (9927)

$4,900

Glenco Soil Saver, 9 Shank (T2090)

$2,700



Haybuster, 1206 No-Til, 12'6" Spacing, Fertilizer (V1462) Was $4,800

$3,800

case IH

Authorized UPS Station

HOOBER

C.B. HOOBER & SON INC.

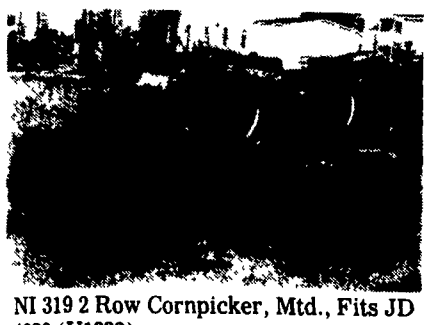
INTERCOURSE, PA

Radio

REDUCTION SALE

REDUCED

COMBINES



NI 319 2 Row Cornpicker, Mtd., Fits JD 4030 (U1832)

$1,500

IH 203 Combine, Gas, Gear, Cab, 2 Row Cornhead (U1205)

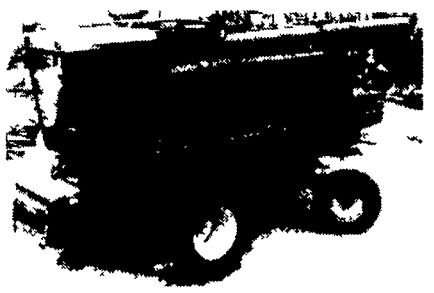
$3,300

IH 205 Gas, Cab, 16.9x26 Tires, 12' Header, 227 Cornhead, 12' Grainhead (U1132)

$3,300

New Idea Uni-Harvester, Model 705 Tractor, Diesel Model 767 Super-Chopper, Model 768 Wide/Narrow, 3 Row Head (U1285)

$9,800

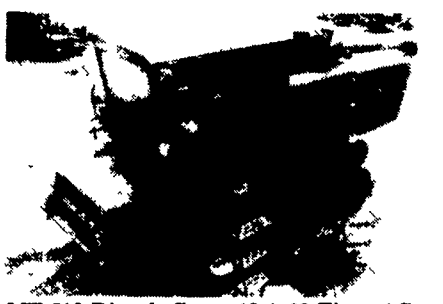


IH 1480 AWD, Hydro, A/C, Flow Grip Tires (U2034)

$35,000

MF 510 Diesel, Gear, A/C, Grainsaver, 18.4x26 Tires (U1995)

$10,200

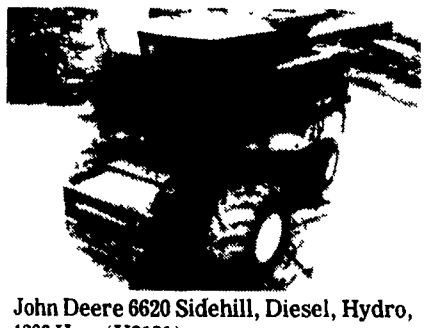


MF 510 Diesel, Gear, 18.4x26 Tires AC (U1992)

$9,500

IH 715 Diesel, Hydro, 1976, 1100 Hrs., 23.1x26 Tires (U1961)

$13,900



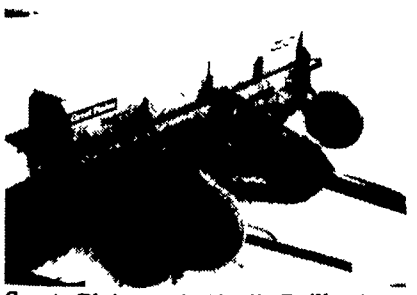
John Deere 6620 Sidehill, Diesel, Hydro, 1200 Hrs. (U2121)

$48,000

IH 715 Diesel, Hydro, 1976, 23.1x26 Tires, 1224 Hrs. A/C (U2113)

$10,800

AND PLANTERS



Great Plains 14' 23x7" Drill, Acre Meter, 3 pt. w/Pull Hitch, Depth Gauge Wheels, "V" Press Wheels (V1726)

$6,850

IH 800 Cyclo Planter, 6 Row, 30" Insecticide, Monitor (V2050)

$6,950

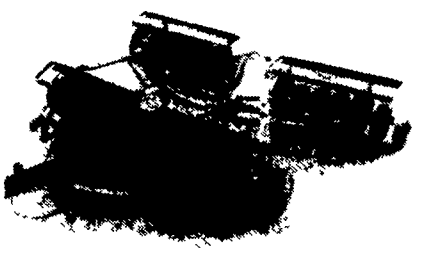
AC 600 6 Row No-Till Planter w/Gandy Appl., Cyl. & Hoses, Dry Fert., Monitor (V9376)

$3,900

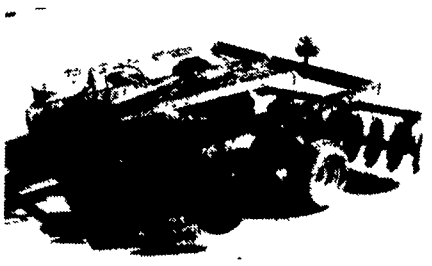
IH 6388 2+2 Tractor, '81 AC, 540 & 1000 PTO, 18.4x38 Duals, 4 Hyd. Outlets, 1455 Hours (W1681)

$27,500

DISC HARROWS

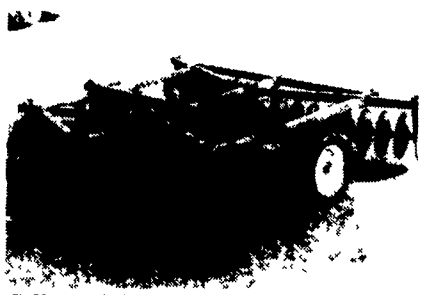


IH 7' 28 Blade Disc, 6½" Spc., Size 15" Frt. & 16" RR (T1676)



IH 501 14' Tandem Disc, Spcg. 10½" & 10" Size Frt. 19" & RR 22", Cyl. & Hoses (T1824)

$2,475



Colby 12' Disc, Front Blades Notch, Spcg. 7" Frt. & 7½" RR, Blades 17" Frt. 18" RR (T1769)

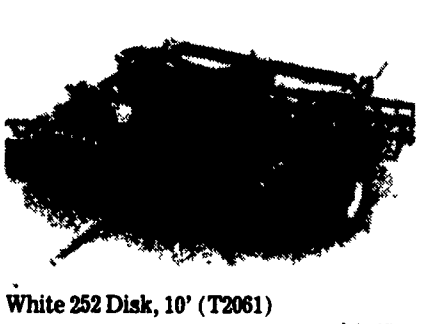
$750

Athens 131 Flex-Frame Disc, 14', 9½" Spacing (T1556)

$2,175

John Deere 330 Disc, 20' Flexwing Tandem, Blades - 25" Front, 22" Rear (T1950)

$4,900



White 252 Disk, 10' (T2061)

$1,475

Controlled Trucks For Better Service

(717) 768-8231

All New & Used Products
Backed By
Hoober Parts & Service

VISA

Case IH

TRACTORS
- Case 430
- Case 530 w/Loader
- Case 1030
- Case 1070
- Case 1490
- White 2-105 Tractor
- David Brown 990 w/Loader
- David Brown 1200
- Ford Jubilee
- Farmall H w/Loader

LOADERS
- Case 1816B Skid Loader
- Case 450 Crawler Dozer
- NH L425 Skid Loader

TILLAGE
- IH 3-16 Plow, Auto Reset
- IH 370 Disc, 10 Ft
- Int 2-Bot Trailer Plow
- Case Disc Harrow, 10
- Case Field Cultivator
- Oliver 22' Disk
- Oliver Disk
- Used Cultipacker

HARVESTING EQUIPMENT
- Hesston 2000-150 Harvester
- Hesston Harvester Head-3 Row Wide
- Hesston Harvester Head-3 Row Narrow
- NI Unisystem, 702 Diesel, 710 Combine & 760 Harvester
- NI 709 Uni-System
- NI 315 Sheller
- NI 717 Combine
- NI 737 Husking Bed
- NI 838 Husking Bed
- NI 767 Super Chopper
- NI 323 1 Row Corn picker
- NI 325 12 Row Husking Bed
- NH 717 Harvester
- Gehl 800 Harvester
- Gehl 1200 Harvester w/pickup and 2-row cornhead

HAY EQUIPMENT
- IH 1190 Windrower
- NH 469 Windrower
- NH 479 Windrower
- Hesston PT 10
- Hesston 1010 Wind rower
- 2 Bale Thrower Wagons
- Case Hay Rake
- NI 456 Round Baler
- NI 484 Round Baler

MISCELLANEOUS
- JD 38 Ft Elevator
- Zimmerman Elevator
- King Wise 32' Elevator
- IH 56 Blower
- Int 56 4-Row Planter
- IH No 10 13-Disc Drill
- 4-Row Cole Corn Planter
- 6 Used Spreaders
- Scavenger 1263 Manure Spreader
- Scavenger 1678 Manure Spreader
- NI 218 Spreader
- NI 224 Spreader
- NI 245 Spreader
- Weaverline Cart, 24 Bushel
- Weaverline Cart, 30 Bushel
- (1) Gravity Bin Wagon

NEW IDEA

Heavy Duty Tubular
MARTIN'S GATES
20% OFF

NEW SPECIAL
NEW IDEA 404 WHEEL RAKE
$1,250

HESSTON FARM EQUIPMENT

ZIMMERMAN'S FARM SERVICE
Bethel, PA
Phone 717-933-4114

SUPER SPECIALS

New Model 385 Deutz-Allis Corn Planter 4 or 6 Rows - Liquid Or Dry Fertilizer - Air or Plate Units
Call For Special December Price

USED EQUIPMENT

Deutz 8006 Used Tractor, Ex. Cond.
MF 230 1400 Hours, Excellent Condition
XT 190D AC Tractor, Real Nice
NH Model 90 Bale Handler
AC 4 bottom SC plow
IH 400 Cyclo 4 Row Planter w/No-Tills Yetter
IH 400 Cyclo 6 Row Planter
Cagle 750 Gal. Tandem Axle Field Sprayer, Monitor and Fully Equipped
LKS Combine w/Grain And 630 Corn Head
MF 205 Combine w/240 Corn Head

SPECIAL SALE
KUHN MOWERS RAKES AND TEDDERS
Call For Special Year End Price

Planters w/Dry Fertilizer
No-Tills, Insecticide Units. Complete
Plate Planter, One Only At $6,495

COMPARE OUR PRICES ON WOODS MOWERS

B. EQUIP. INC.

DEUTZ ALLIS
8422 Wayne Highway
Waynesboro, Pa. 17268
717-762-3193

USED EQUIPMENT

TRACTORS

JD 8450, low hrs., w/Folding JD 335 Disk	
JD 4630 w/duals, PS, engine overhauled	$17,000
JD 2940, 1275 hrs	$15,000
JD A w/227 Picker	$ 1,400
IH 1486 w/Duals	$15,900
IHC w/Equip.	$1,900
IH 350 w/Loader	$1,700
Ford 3000, reconditioned	$ 5,000
Ford 6000	$ 2,900
MF 1105 w/Cab	$12,500
MF 165 Dsl.	$ 4,900
IH 240 w/Loader	Coming In
AC B w/Attachments	$1,200
JD 2010, need engine work	$1,200
AC D14	$ 2,500
Long 450 Dsl.	$4,500

COMBINES

JD 6620 Side Hill w/643 C H. & 215 Flex, Reconditioned	$53,000
JD 6620 Side Hill	$37,000
JD 444 Corn Head	$ 4,500
JD 443 Corn Head	$ 5,500
JD 215 Flex Head	$ 4,500
JD 215 Rigid Head	$ 3,500

PLANTERS

JD 6R Cons., Dry Fertilizer	$ 7,900
JD 4 Row Consv. Liquid	$ 5,400
JD 4R Cons. w/Dry Fert	$ 5,900
(4) JD 6R Consv..	Starting at $ 7,500
IH 400, 4R.	$ 1,200

TILLAGE

JD BWA 16' Wing Disk	$ 2,200
JD 1600 Pull Type 10' Chisel Plow	$ 1,900
IH 370 12' Disk	$ 1,800
IH 11' Pull Type Chisel Plow	$ 700

Assortment of JD & Ford 2-3 Bottom Plows

HAY & HARVESTING

JD 1219 Mower Conditioner	$ 5,900
JD 336 Baler	$ 4,500
JD 14T Baler	$ 1,200
Gehl 1500 Round Baler	$ 3,500
NH 851 Round Baler	$ 4,500
NH 276 Baler	$ 2,500
JD 750 Grinder Mixer	$ 3,500
JD 894 Rake.	$ 500
NH 469 Haybine	$ 1,000
IH 720 Harvester w/2 Heads	$ 3,500
Ford Sickle Mower	$ 400
(2) JD 965 Wagons w/Hay Racks	$ 1,200 each

TOBIAS EQUIPMENT CO., INC.
JOHN DEERE
Halifax, PA 17032
Phone: 717-362-3132

USED EQUIPMENT

9 Used Prime Mover Skid Loaders
IH Model 125C Crawler-Loader w/4 in 1 Bucket

DEUTZ ALLIS
Vernon E. Stup Co.
5859 Urbana Pike
Frederick, Md. 21701
301-663-3185

Engine Parts — Gaskets
Cylinder Heads
Rebuilt or Exchange
Engine Rebuilding
Spring Garden Repair
RD 1, Box 204
Kinzer, PA 17535

WF — HESSTON CORPORATION

USED EQUIPMENT

Satoh 650 w/Woods Mower & Loader
Farmall H
Ford 8N
FC 250 8' Kuhn Mower Conditioner
Oliver 5-16 Flow
IH 4-16 Flow
Glencoe SS9 Soil Saver
IH 501, 12' Disk
White 281, 12' Offset
Bush Hog 5', 6 & 7' 3 pt Rotary
Hawk Bilt 357 Tandem Spreader
NI 214 Flail Spreader
NI 323 Picker
NI 279 Cutditioner
Mohawk 13' Batwing Rotary Mower

STOLTZFUS FARM SERVICE
Cochranville, PA
215-593-2407

Dismantling Combines for parts over 400 all makes and models Call before you come.

All Combines Sold— free parts for one season if in our parts lot.

IH 915, 815, 315, 205, 203 503, 403, 303, 93, 91, 151, 101, 141, 127, 125, 82 76, 74 JD 7700, 6600, 4400 105, 95, 55, 45, 40, 30, 25, 12A MF 510, 410, 300, 205, 35, 92, 82, 72, 90, 80, 70, 60, 27, 26 AC Gleaner, F, L, M, K, G, E, C, C2 A, 60, 66 Oliver 545, 535, 525, 430, 40, 35, 33, pull type NI Uni, 710 Combine, Huskers, 705, 702, 701, Combine shellers & harvesters Ford 622, 630, pull type Case 960, 700, 660, 600 NH 975, 985 MM. 5297, 3496, MM Uni, White 8600, 7300, Massey 750D, Straw Spreaders & Choppers

COMBINES

IH 1440 Axle Flow w/1100 hrs., 28x26 tires, 13' flex head
AC Gleaner F Gas w/2 heads $5,875
1977 MF 510 Diesel hydro w/big rubber, air weights, grain saver & heads, just traded, real nice
NH TR 85 w/Cat diesel, air, radio, flex grain & corn head, 893 hrs., $16,500
JD 3300 gas, grain & corn head
1984 Gleaner F2 w/950 hrs 23x26 tires, 4RW of 4RN, 13' flex, real nice
1976 Gleaner L w/big rubber, 6R 30", 4R 38", 13' grain or 16' grain A-1 always kept in, $18,500
1977 JD 6600 side hill w/6R 30" & 14' grain
Massey 300 w/grain & corn head
AC Gleaner E w/10' grain, one owner SOLD
1983 Gleaner F2 diesel w/black 4 row corn & black 13' flex grain head, 1,251 hrs., cab, air & radio
1977 MF 510 diesel, quick tach w/13' grain & 4 row 30" corn, cab & air & grain saver
1979 MF 550 dsl, hydro, 13' grain & corn, $12,000
1976 Gleaner FKS dsl. 13' black grain & corn head, real nice, $12,000
Gleaner F gas w/grain & corn, $6,000
MF 510 dsl, quick tach w/grain & 4 or 6R corn
Massey 82 w/grain & 2R corn, $1200
Massey 72 w/grain, $1200
MF 760 6 cyl. turbo w/grain & 6R 30" corn, $14,500
Massey 410 dsl. quick tach, cab & air, $4,000
2 C-2 Gleaners w/4RW for 4RN & grain head
Gleaner G, gas w/4R & grain head, $5,000
JD 4400 diesel w/rigid grain head, $7,500
IH 915 diesel, turbo, hydro w/grain & 4 or 6R head, $13,000
IH 403 hydro w/4R 30" & grain, $5500
MF 510 diesel quick tach w/grain, $5500
Gleaner E3, grain & 2R, new motor, $4000

Your Choice $2500 Each

3 Case 600, 10 Grain & 2R Corn
2 IH 105 w/10' Grain & 2R Corn
2 JD 45 w/10' Grain & 2R
JD 55 w/12' Grain & 2R

HAYBINES & RAKES

Hesston 10' hydro-swing center pivot hitch, $2850
IH 990 9', $1375
NI Rotobar Rake, $850
3 JD Rotobar Rakes, $450 to $675
Gehl 9', $875
IH Wheel Rake, $625
NH 489 $3500
NH 474, 7', $3750
NH 256 Rake, $1250
IH Rake w/front dolley wheel, $785
NH 477, 7', $2150

CORN HEADS

NI 3R 30"
MF 300 3R 30"
IH 503 6R 30"
IH 205 or 315 3R 30"
IH 815 4R 38"
MF 300 2R 38"
IH 203, 205 & 315 2R 38"
IH 403 4R 30" & 4R 38"
2, 3, 4, and 6 Rows

ROTARY MOWERS

3 pt 6,7 & 8'
Also pull types

DISC HARROWS

8,10,12 & 14' Wheel Disc
3 pt. 7'
7 & 8' drag discs

SPREADERS

NH tank w/hyd. lid
NI 213 PTO's

GRAIN HEADS

8, 10, 11, 12, 13, 14 & 15'

TRACTORS

JD 4010 Diesel $3,875
Farmall H, $750
Farmall H, $875
Farmall 400 gas, fast hitch & power steering
AC D-19 Dsl. w/WF, as is
AC C w/Woods belly mower $1500
IH 1066 Dsl, cab, dual PTO, 3760 hrs w/complete motor overhaul, rebuilt injector pump, new oil pump, will show bills, $9500
Farmall Super M w/WF
Farmall C, real nice, $950
Ford 3000 Diesel, $4000
Farmall Super C w/hyd & pulley $975
Massey 1080 D, $5200
Ford 6000 Diesel $2475
Massey Pony Pacer w/1R cult & 1 btm plow $1250
Farmall 560 Diesel $2850
AC D17 Diesel snap coupler

WIDE FRONT ENDS

AC C
IH 340
Massey 101 30 & 33
AC D17
AC D19
WD 45
WD
Farmall C or Super C, 200 & 230
Ford 6000 WFE

NEW 3 PT. EQUIPMENT

Post Hole Diggers
Snow, Dirt, Manure Blades
Stone Rakes
Rotary Cutters
Box Blades
Discs
Bale Movers
Hay Tedders
Finishing Mowers
Potato Plows
New Trailers, all sizes
Fert Spreaders
Cement Mixers

TRACTORS ALL WITH LOADERS

Case 580 Diesel w/loader and rear weights $3,750
Ford 4000 Gas Industrial Loader and Backhoe, like new tires $5,500
Farmall Super C $1,675
Farmall M w/PS $1,850

CORN PICKERS

NI 2R 38" Pull Type
NI 701 or 702 husking unit w/2 or 3R corn head
NI late 323 1R
NI 324 2R 38 w/super sheller, used 1 yr like new, $3000
Oliver 73 2R 38" pull type $750
IH 1PR pull type $975
NI #7 1R pull type $700

PLOWS

(15) From 2-7 Bottom

FORAGE HARVESTERS

NH self propelled w/2R & pickup head
IH 830 3R corn & pu head
IH #8 flail chopper
AC 720 2RN & pickup $750
JD 34 1R & pickup $875

MISC.

NH Flail Attachment for Baler to cut corn fodder $300
2 Gravity Wagons
IH fast hitch balanced head mower
Sickle bar mowers, 3 pt semi & trailer types
IH Loaders to fit C, Super C, 200, 230, H, M, 300, 350 & 300 & 350 utilities
Ferg loader w/hyd bucket & front pump $650

COMING IN

JD 3010 Dsl Narrow Front
Ford 860 rear wts & PS, loader & snow plow
Century 500 gal. 12R PTO trailer sprayer, real nice
Plows:
IH 540 4 bottom 16"; IH 710 5 bottom 18" auto. reset; JD F145 5 bottom 16"; 2 IH 550 5 bottom 16"; Oliver 546 5 bottom 16"; JD 1350 4 bottom 16" swing hitch

DISMANTLING TRACTORS FOR PARTS
Harvesters and Corn Heads for Parts

IH 1256, 666 Hydro, 806, 706, 660, 656, 560 504, 404, 460, 450, 400, 350, 300, 340, 240, 230, 200, MTA, M, H, C, BN, A Cub, F30, F20, F14, F12 JD M, 4010 3010, 2020 Dsl 2010, 720 D, 70, 60, 50, A, B AC 180, D17, WD, WC, CA, C, B MF 1155, 90, 85, 444, 333, 44, 33, 30, 20 Case 400, 300, DC, SC, VAC Ford 6000 4000D 960 860, 800, 8N, 9N Oliver 1800, 88, 77 70, 60 Crawler D2 Cat & Oliver MM 5 Star R Z E3 Coop

KEITER'S FARM MACHINERY
R.D. 1, Halifax, PA 17032 Rt. 225
20 mi. north of Hbg.
Phone: 717-362-9574
No Sunday Calls

Dismantling 50 pickers for parts
POSITIVELY NO OUT OF STATE PERSONAL CHECKS

M.M. WEAVER & SONS, INC.

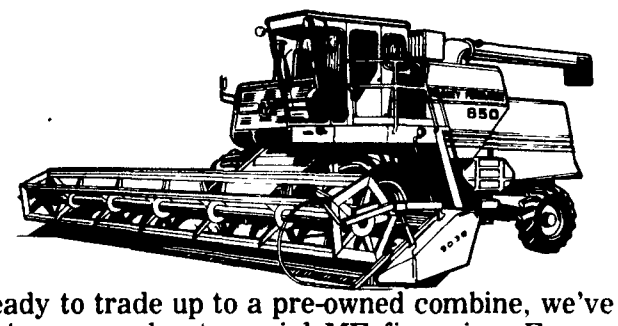
51st ANNIVERSARY SALE DAYS

December 29, 30 & 31, 1986; January 2 thru 16, 1987

OPEN HOUSE on Tuesday, January 6, 1987

PRE-SEASON PRICE BREAKERS

MASSEY COMBINES CORPORATION



Save up to 25%

on 1987 model combines

Put the savings of early buying to work for you. Order a 1987 model Massey 850 to 860 combine by December 20th, and you could enjoy savings of up to 25% or more off list price.

Plus, take your choice of

- Low 8.9% financing, or
- Waiver till July 1, 1987 for grain units, or Sept. 1, 1987, for corn/bean units, or
- Additional discounts for cash deals!

Buy early and save big — but hurry! These special factory-direct savings end December 31st. See us for full details.

If you're ready to trade up to a pre-owned combine, we've got a combine and a very special offer for you. Come in now and get special MF financing. For cash/no-trade deals we can even offer some additional discounts. See us for full details before the year ends — and these offers end.

10% OFF THESE PRICES ON ALL USED COMBINES, TRACTORS & EQUIPMENT...CASH & CARRY

USED COMBINES

1984 MF 850 Hydro with 9115 Floating 15 Ft. Grain Head and 1163 Corn Head	$58,000
1982 MF 850 Gear Drive	$29,000
1981 MF 850 Hydro	$34,000
1980 MF 550 Hydro	$15,000
1980 MF 750 Gear Drive	$24,000
1979 MF 550 Hydro	$18,000
1978 MF 760 Hydro	$17,000
1978 MF 760 Hydro	$15,000
1978 MF 750 Hydro	$16,000
1977 MF 760 Hydro	$18,000
1977 MF 760 Hydro	$19,000
1977 Gleaner "M"	$16,000
1976 MF 760 Hydro	$15,000
1976 MF 760 Hydro	$16,000
1975 MF 750 Gear Drive	$12,000
1975 MF 750 Hydro	$14,000
1974 MF 760 Hydro	$12,000
1974 MF 750 Hydro	$8,500
1972 MF 510 Gear Drive	$6,500
1969 MF 300 Gas	$4,000
1969 MF 300 Gas	$2,700
1969 MF 410 Diesel	$5,000
1966 MF 510 Diesel	$2,500
1969 John Deere 6600	$4,500
1975 IH 615 Hydro	$4,500
IH 315 Hydro	$3,500
C II Gleaner	$4,000
Like New 1144 Corn Head	$5,500
1163 Corn Head	$5,900
JD 215 Flex Head	$4,800

1980 Uni System, Only 1200 Hrs.

801 4 Wheel Drive Unit	$26,000
818 Grain Combine	$6,000
840 Feeder House	$2,000
844N 4 Row 30" Corn Head	$4,500
767 Harvester	$3,300
774 4 Row 30" Harvester Head	$2,900
766 Hay Pick Up	$1,000
Buy Complete Machine On Sale Days And Receive A Big Discount	$45,700

USED EQUIPMENT

Tye 10 Ft. No-Till Grain Drill	$9,000
MF 724 260 Bu. Manure Spreader	$6,100
Glenco 12 Ft. Transport Disc	$6,200
Glenco 9 Tooth Soil Saver	$5,900
Glenco 7 Tooth Soil Saver	$4,900
MF 351 19½ ft. Soil Finisher	$6,100
Landoll 10 ft. Soil Finisher	$3,200
John Deere 310 Disc Harrow	$3,200
Brillion 11 Ft. Cultipacker	$700
Brady 6 Ft. Flail Chopper	$2,500
Shaver Post Driver	$1,850
Danuser Post Hole Digger	$640
Danuser Wood Splitter	$780
MF 880 Hyd. Reset 6-16 Plow	$4,650
MF 345 Spring Reset 3-16 Plow	$2,500
MF 82 Spring Trip Plow	$1,200
MF 66 Spring Trip Plow	$450
Ford 10 ft. 3 pt. Chisel Plow	$1,200
Yetter 15 ft. Rotary Hoe	$1,500
MF 820 Hyd. 19 ft. Wing Disc	$8,500
MF 233 10 ft. Disc Harrow	$4,100
MF 124 Baler	$1,500
MF 260 Harvester w/2 Row Corn Head	$2,500
NH 717 Harvester w/1 Row Corn Head	$800
MF 41 3 pt. Sickle Bar Mower	$2,400
MF 925 Haybine	$1,500
EZ Trail 6 Ton Running Gear	$550
15 Ton EZ Trail Wagon With 450 Bu. Gravity Bed	$4,200
EZ 475 Bu. Self Unloading Grain Cart	$6,400

DEMO & RENTAL TRACTORS

MF 3545, 125 HP	$23,500
MF 670, 55 HP	$19,700
MF 240, 34 HP	$8,200
MF 1020, 17 HP	$5,400
MF 1010, 13 HP	$4,900

Our Thanks To Everyone Who Helped Make 1986 A Successful Year. We Sold 16 New Combines In 1986, Including: (4) 550's, (5) 850's & (7) 860's. We Sold 36 New Tractors In 1986, Including: (9) 16-30 HP, (11) 40 HP, (9) 50-60 HP, (4) 70-80 HP, (1) 100 HP, (1) 120 HP & (1) 300 HP.
Thanks For Your Patronage

MF MASTER CS CERTIFIED SERVICE

SERVICE SPECIAL

Farm Equipment Does Not Break Down When You Are Not Using It... But That's The Best Time To Repair It!

10% DISCOUNT

On Parts Used On Major Overhauls Over $500 During The Month Of January, 1987

SCHEDULE YOURS NOW!

MF Massey Ferguson

M.M. WEAVER & SONS, INC.

Leola, PA 17540 **Phone: (717) 656-2321**

Located: 4 miles West of New Holland on Rt. 23, 1½ miles Northeast of Leola on the No. Groffdale Rd., 1 mile on the right, opposite Groffdale Mennonite Church

SALES DAYS

51st ANNIVERSARY

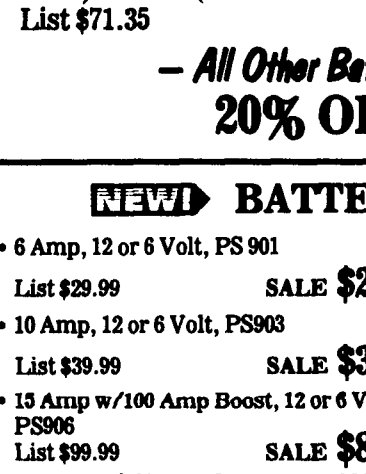
■ PARTS ■ NEW EQUIPMENT ■ GOOD USED EQUIPMENT

Dec. 29, 30 & 31, 1986; Jan. 2 thru 16, 1987

Mon. thru Fri. 7 A.M. to 5 P.M.; Sat. 7 A.M. to 12 Noon
Closed Dec. 25 and Jan. 1
All Items Subject To Availability

WINTER SALE ITEMS

NEW! Powerpart Batteries



Check Your Battery Needs Here And SAVE!

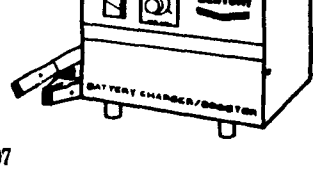
BATTERIES & ACCESSORIES

- 60 Mo. Group Size 27, 12V - For Diesel Power (630 Cold Cranking)
  List $70.50 SALE **$56.40**
- 72 Mo. Group Size 24, 12V - For Gas Tractors, Cars, Trucks (650 Cold Cranking)
  List $71.35 SALE **$57.10**

– All Other Batteries In Stock –

20% OFF LIST

NEW! BATTERY CHARGERS



- 6 Amp, 12 or 6 Volt, PS 901
  List $29.99 SALE **$26.99**
- 10 Amp, 12 or 6 Volt, PS903
  List $39.99 SALE **$35.99**
- 15 Amp w/100 Amp Boost, 12 or 6 Volt PS906
  List $99.99 SALE **$89.99**
- 30 Amp w/200 Amp Boost, 12 or 6 Volt, PS907
  List $129.99 SALE **$116.99**

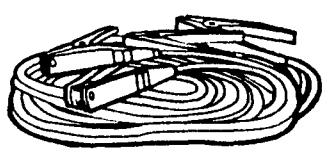
Features: Product Info/Charging Tips/ Warranty/Retail Tips

STARTING ETHER

- Starts stubborn engines in seconds
- Prolongs Battery Life
- Sprays to 65° below zero

- HOT SHOT, 11 Fl. Oz. ..... SALE **95¢** Ea.
- Case Lot $11.88 **LESS 5%** **$10.83**

NEW! BOOSTER CABLES



- 12 Ft., 6 Ga., PS000912
  List $15.99 SALE **$14.39**
- 16 Ft., 4 Ga., PS000914
  List $22.95 SALE **$20.66**
- 20 Ft., 4 Ga., PS000915
  List $25.95 SALE **$23.36**

Features: Product Info/Charging Tips/Retail Tips

FPPF POLAR POWER

Cold Weather Diesel Fuel Treatment
8 Fl. Oz.
Treats 60 Gal. **$3.50**

LUBRICANTS

Selling Hydraulic Fluid Right Off The Trailer!

Offering The Lowest Prices....

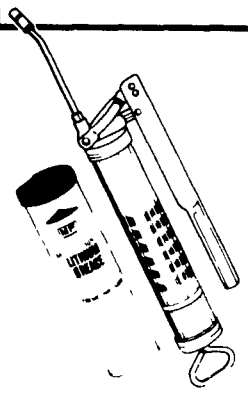
UNIVERSAL HYDRAULIC FLUID
PERMATRAN III

Universal extreme pressure transmission & hydraulic fluid.

Stock One Oil For All Your Farm Equipment

Lubricants	SALE	Cost Per Gal.
• Permatran III Oil		
2½ Gal. Container	**$11.27**	$4.51
• 30 Gal. Container	**$130.77**	$4.36
• 55 Gal. Drum	**$212.00**	$3.85

Buy 2 Drums & Receive An ADDITIONAL 5% DISCOUNT $3.66/Gal.

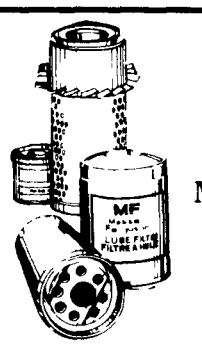


GREASE AND GREASE GUNS

	List	SALE
• Single Tubes	99¢	**90¢**
• 10 Pkg. Grease Cart	$9.99	**$8.10**
• 50 Pkg. Grease Cart	$49.95	**$36.50**
• 1902-684M91 Grease Hose	$3.20	**$2.72**

GREASE GUNS

• Lever Action, 1902-683 M92	$9.15	**$6.95**
• Pistol Action 1904-778 M91	$15.12	**$9.95**



MF FILTERS

Lube, Fuel, Air, Hydraulic

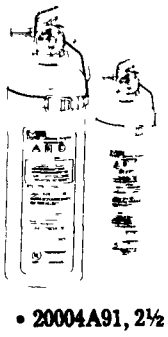
Don't fall for look-a-likes - use Massey-Ferguson filters for better & longer engine life.

LUBE & FUEL FILTERS
Buy 4 At Regular Price And
RECEIVE ONE FREE
All Other Filters 20% Less

GLENCOE CHISEL PLOW PARTS

	SALE
• 20" Coulter Disc, PS4422	**$17.55**
• LH Hardfaced Points, P6167	**$12.18**
• RH Hardfaced Points, P6168	**$12.18**

FIRE EX(T)N(G)



Don't(?) ug
Install(?) e 1
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- 20004A91, 2½ Lb. .....
- 20005A91, 5 Lb. .....
- 20005A91, 10 Lb. .....

CUTTE(R) BA(R)

It Take(s) (S)harp (a) Good (C)utter Bar

CUTTER BAR PA(R)TS E

- 1053-209 M1 Hart Carter Section PS 112001 .....
- 146-503 M2 Ridgit Sections PS 412132. .....
- 1904-914 M2 Powercut Section PS623011 .....

- 228-392 M1 Ridgit MF C(?)Bar .

Do You Ne(ed) (H)elp (?)

MF M(?)ssey Ferguson

PO(W)ER

CLEANIN(G) SYSTEM

Do You Spend Hours Cleaning Your Cars, Trucks, Tractors, Combines, Hog Pens, Windows, Grills...?
Let The POWERPART CLEANING SYSTEM Help You Get The Job Done.

Come Clean Today!

- MF 8500 20-109 A91, 5(?)0., (?)
- MF 8600 20-111A91, 6(?)0., 1

Plus Get $45(?) (W)ith Cleaning(?)om

10%

MF Powerpa(r)t Cle

10% OFF ON ALL OTHER PARTS

Sold Over Counter From
Dec. 29 to Jan. 16, 1987
★ *Cash And Carry* ★

MF Massey Ferguson

M. M. W(?)

LEOLA, PENNA. 1754(?)
PHONE: 717-656-232(?)

OPEN HOUSE

SPECIAL 1 DAY ONLY - TUESDAY, JANUARY 6, 1987

LUNCH WILL BE SERVED 11-2

Maintenance and Operation Seminars

10:30 A.M. Tractors
2:00 P.M. Combines

★ Representatives from various manufacturers will be on hand to demonstrate products and answer questions
★ Join us during Open House for Fun & Fellowship

EXTINGUISHERS

n't ught without protection!

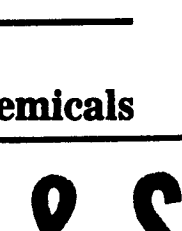
all e Massey-Ferguson Fire Ex-
uish your home, the barn, animal
s, o tors and combines. They're
le of y duty carbon steel with non-
osiv ts, inside and out, and operate
po on-off squeeze grip; feature
rea waterproof gauges.

	List	SALE
.....	$21.30	$19.17
.....	$31.80	$28.62
.....	$50.15	$45.13

BAR PARTS

Take Sharp Edges To Cut Down Guards!

SECTIONS



	List	SALE
ter	$1.07	70¢
.....	$1.06	68¢
t	$1.02	82¢

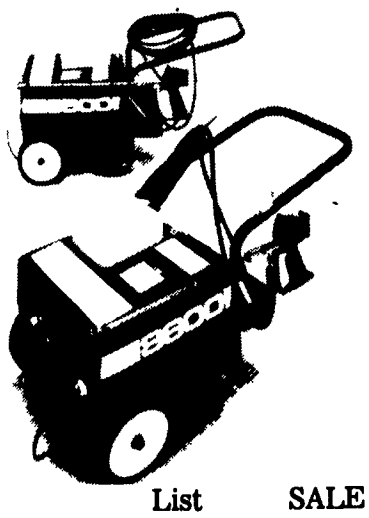
GUARDS

	List	SALE
31 E1 NH Haybine MF 925 BU 215	$6.49	$5.84
39 E1 MF Floating tter Bar BU 231	$6.70	$6.03
MF C Bar	$7.75	$6.20

Need Help With Cleaning?

Massey Ferguson

POWERPART



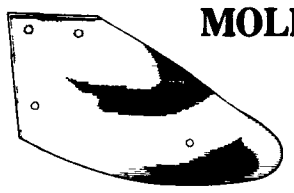
	List	SALE
91,5 ., ¾ H.P.	$499	$399
91, 6 ., 1 H.P.	$599	$485

45% With Of MF Powerpart ning Chemicals FREE!

10% OFF
Cleaning Chemicals

TILLAGE PARTS SALE

MOLDBOARD PLOW PARTS



Direct Shipment From Manufacturer To Us Allows For These LOW PRICES

There Is A Difference· 3 Layers Of Steel For:
• LONGER LIFE • SHOCK RESISTANT • LESS CRACKING

16 INCH 4 BOLT PLOW SHARES

	O.E.M.	SALE
• 475-167 M1 Reg. Share Long	$11.25	$8.77
• 475-715 M1 Heavy Duty Short	$17.65	$9.79
• 475-716 M1 Heavy Duty Long	$20.35	$10.32

FITS MOST PLOWS

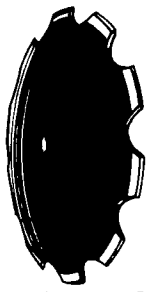
• 661-869 M91 Trashboard	$33.05	$11.62
• 660-020 M91 Shins	$17.97	$7.32

MOLDBOARDS

• 660-022 M91 14"	$100.50	$50.66
• 660-206 M91 16"	$104.50	$59.91

ALL OTHER PLOW SHARES, LANDSLIDES, SHINS AND MOLD BOARDS NOT UNDER DIRECT SHIP PROGRAM ARE 20% LESS

Plus The Best Warranty In The Industry!



Disc Blades

- High concavity for greater draft and more soil action
- Plain and notched styles for various field conditions
- Center hole sizes available to fit non Massey-Ferguson machines

Number	Dia.	Ga.	Disc.	Shaft Sizes	SALE
• P5041033	20"	6	Plain	1 1/8" Sq. x 1¼" Sq.	$14.95
• PS045045	22"	6	Plain	1¼ Sq. x 1½ Rd.	$18.29
• PS045049	22"	¼"	Plain	1¼ Sq. x 1½ Rd.	$18.93
• PS045050	22"	¼"	Notched	1¼ Sq. x 1½ Rd.	$19.31
• PS046063	24"	¼"	Plain	1½ Sq x 1¾ Rd.	$25.61

We Have Other Sizes
Check For Your Needs And Prices

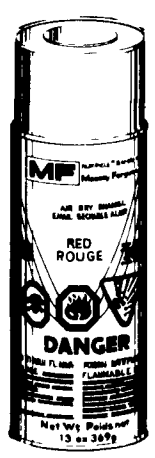
WEATHERED TWISTED CHISEL POINTS

- Heat treated, tumbled & varnished
- ½" thick for longer wear
- Fits 2¼" centers for 7/16" plow bolts

DF4995R	3x½x22 R.H.	$6.75
DF5995L	3x½x22 L.H.	$6.75

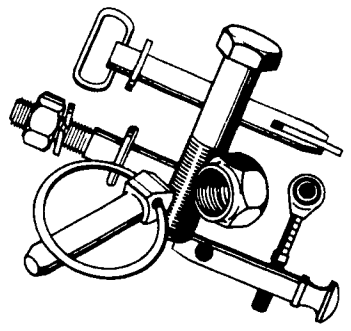
Massey Ferguson PAINT

Increase The Resale Value Of Your Machine With Massey Ferguson Paint!



HARDWARE AND HITCH PINS

Grade 5 Hardware
$1.50 Lb.



HITCH PINS w/RETAINER CHAIN

Number	Length	Dia.	List	SALE
• 30-151E91	6¼"	¾ in.	$4.73	$3.99
• 30-152E91	6¼"	7/8 in.	$6.27	$4.25

HITCH PINS w/PRESTO PIN

• 30-281E1	6¼"	¾"	$3.13	$2.75
• 30-282E1	6¼"	7/8"	$4.20	$3.75

LINCH PINS
6 For **$1.00**

POWERPART CHEMICALS

A Wide Variety Of Universal Products For Farm, Home, Industrial, Automotive, And Recreational Use.

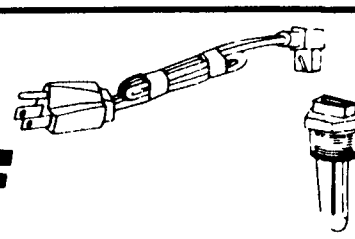
Full Line Of Chemicals With Quality At Competitive Prices

Penetrating Oil

BUY ONE AT REG. PRICE	$1.55
GET SECOND AT ½ PRICE	.78
TOTAL...	$2.33

Frees All Rusted, Frozen Or Corroded Lugs And Bolts

BLOCK HEATERS



10% OFF

WEAVER & SONS, INC.

Located: 4 miles west of New Holland on Route 23, one and one-half miles northeast of Leola, on the North Groffdale Road, one mile on the right, opposite Groffdale Mennonite Church.

20% OFF Regular Price

10% OFF REGULAR PRICE

★ Bring Your Own Containers - Get Bulk Price

"BUY QUALITY"

QUAKER STATE MOTOR OIL

51st ANNIVERSARY

SALE

Dec. 29, 30 & 31, 1986
Jan. 2 thru 16, 1987

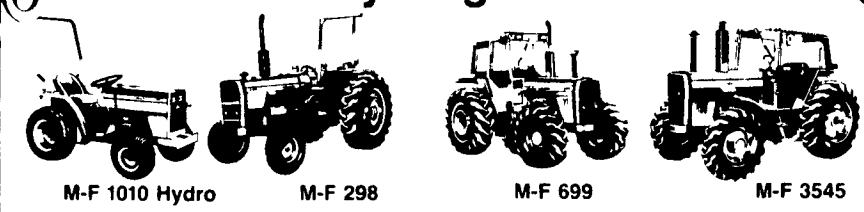
COMBINE HEADQUARTERS

up to $1200

M-F SAVINGS

up to $1200

Trim up to $1200 off our best price on Massey-Ferguson tractors



M-F 1010 Hydro | M-F 298 | M-F 699 | M-F 3545

Now may be the best time ever to buy a new Massey-Ferguson tractor That s because when you bring in this Savings Certificate Massey-Ferguson will give you a discount on new M-F tractors of up to $1200 depending on the model selected

- Save up to $400 on M-F Compact tractors
- Save up to $800 on M-F orchard vineyard and 200 Series tractors
- Save up to $950 on M-F 600 Series tractors
- Save up to $1200 on M-F 3500 Series tractors

Name _____
Address _____
Telephone _____
Model Number _____
Serial Number _____
_____
Customer s Signature

Offers expire January 31 1987

Or choose low 6 9% APR M-F financing and generous factory discounts from Massey-Ferguson

Pick out your best deal on the best tractor for you And save like you could never save before

MASSEY-FERGUSON
Where farmers ideas take root

up to $1200

CERTIFICATE

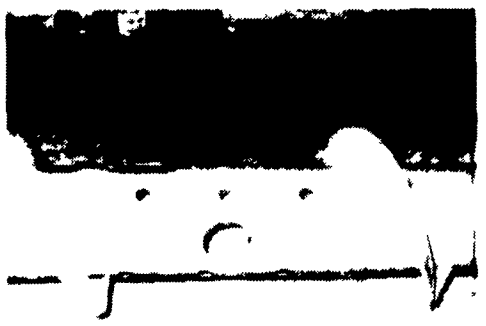
up to $1200

SCHMIDT

"HEAVY DUTY REBUILT TABLE AUGER"

Before Repair

After Repair



Damaged Or Broken Combine Table Augers Rebuilt Same As New!

No need to purchase a new auger when you can buy one that's rebuilt! Or have your auger repaired for less than one half of the new auger price!

Rebuilt augers are guaranteed to run true! "They are jig repaired."

We Can Rebuild All Makes Of Augers	Call Now For Appointment And Price Quotation To Have Your Auger Repaired

MF Massey Ferguson

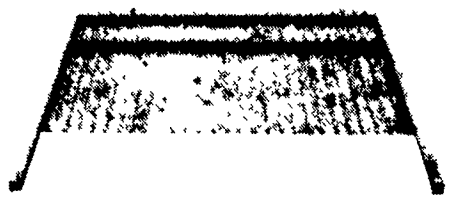
M.M. WEAVER & SONS, INC.

Leola, PA 17540
(717) 656-2321

Located 4 miles West of New Holland on Route 23 1½ miles Northeast of Leola on the North Groffdale Road 1 mile on the right opposite Groffdale Mennonite Church

Weaverline

COB CORN GRATE



for M-F 750/850, 760/860 COMBINES

REPLACE THE REGULAR CORN SIEVES IN YOUR COMBINE WITH A WEAVERLINE COB CORN GRATE

- ★ Save More Cobs
- ★ Keep Out Corn Leaves And Husks
- ★ Extremely High Capacity
- ★ Simple, Rugged Design
- ★ Works Very Well On Hillsides

TOUGH, STABLE AND AFFORDABLE

NORTHWESTERN MOTOR COMPANY

SKID STEER LOADER FEATURES:

- A unique oscillating axle that smooths movement over rough terrain.
- 4-wheel drive that keeps you going.
- Dependable hydrostatic drive.
- A powerful 4-cyl. gas or diesel engine.
- A 40" wheel base for improved stability

List....$19,500

SALE **$14,500**

Annual
SPRING AUCTION
Monday, March 23, 1987

Leyland 802 tractor w/Allied Model 660 hydraulic bucket, $8,250
Leyland Model 270 tractor w/Allied Model 700 hydraulic bucket, $5,800
3 row mechanical transplanter units, model 4000, like new condition, $900 per unit
JD 16A flail chopper, used 2 seasons, $2,600
NH Model 890 chopper w/2RN corn head and hopper w/auger base unit for high moisture ear corn, $3,800
NH Model 880W pickup head, like new, $1,200
NH Model 27 blower, $750
Hesston PT10 haybine, $1,000
JD 125 chuck wagon on JD running gear, $1,200 ea.
Gehl BU910 forage wagon w/unloading extension on NH running gear, $1,350
NH Model 679 tandem manure spreader w/hydraulic end gate, $3,000
NI single beater manure spreader, model 217 w/new chain, $800

717-587-1725
Lackawana Co., PA

BHM FARM EQUIPMENT, INC

Annville, PA

717-867-2211

NEW HOLLAND

NEW EQUIPMENT

NH 555 D. Skid Loader
NH 785 D. Skid Loader
NH 307 Slurry Spreader
NH 514 Manure Spreader
NH 791 Spreader
NH 304 Slurry Spreader
NH 900 Forage Harvester

USED EQUIPMENT

NH 276 Baler & Thrower
NH #30 Blower
NH 256 Hay rake w/Rubber Teeth
NH 495 Haybine
NH 354 Grinder Mixer

DEUTZ ALLIS

Tanaka Chain Saws & Weed Cutters

NEW EQUIPMENT

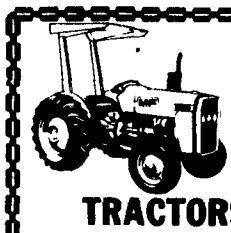
AC 8030, 2 WD tractor, full warranty, 130 HP, $27,500 SOLD
Deutz Allis 2WD w/Cab SOLD
Deutz Allis 6275, 2 WD w/ROPS
AC 1200, 16½' Field Cultivator $2,450
Deutz Allis 6265 w/Cab
Deutz Allis 6070, 2 WD
Deutz Allis 6080, 2 WD

USED EQUIPMENT

IH 915 Combine w/763 Corn Head & 810 Grain Header, $8,500

1976 Gleaner F Combine w/430 C.H. & 13' Grain Platform, Excellent Condition

Oliver 1850, 4 WD Tractor
Farmall 504 Tractor
AC 5050 Tractor, 226 hrs., $7,950
AC CA Tractor
AC B Tractor w/Cultivator
IH 584 Utility
IH 350 Utility w/#34 Loader
IH C Tractor
IH M Tractor w/IH 2MH Corn Picker, $1,500
Farmall 350 Tractor
Newfield 465 Tractor
Case Stalk Shredder
JD 336 Baler w/#30 Thrower
JD 24T Baler & Thrower for parts, $350
IH 46 Baler
IH 56 Blower
Gehl Hi Throw Blower
AC Pitmanless 3 PTH Mower
IH 51 Forage Wagon
JD 4Fx16 Trailing Plow
MF#33, 17x7 Grain Drill
JD Wheel Rake
NI 218 Spreader



MASSEY-FERGUSON
Where farmers' ideas take root.

TRACTORS & EQUIPMENT

MF 40 Diesel Tractor w/Loader
MF 50C Tractor w/Loader & Cab
MF 204 Tractor w/Loader
MF 750 Combine w/Attchs
MF 510 Combine w/63C Corn Head

NEW M.F. EQUIPMENT

MF 240 Tractor
MF 240 Tractor
MF 283 Tractor
MF 1030 Tractor 4 WD
MF 1020 Tractor w/Turf Tires
MF 1010 Tractor w/218 Mower
MF 1010 Tractor
MF #43 2B Plow
MF 427 No-Till Drill
MF 226 Scraper Blade
MF 227 Scraper Blade
MF 22 Bale Thrower
MF 218 3 pt Rotary Cutter
MF 222 Scraper Blades
MF 1018 Mower

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215-869-2214

JOHN DEERE *Nothing runs like a Deere*™

TRACTORS

JD 3020 Diesel WF	$6,850
JD 2940 MFWD w/Cab	$23,900
JD 4230 w/Cab & Air, Excellent SOLD	$13,900
JD 4440 w/Cab, Air & PS	$22,900
IHC 108 SOLD b	$14,500
IHC 886 Cab, Heat & Air 1110 hrs	$14,900
Farmall Super C w/fast hitch	$1,850
Farmall 400 Diesel w/fast hitch & New Engine	$3,500

Mechanic Special
Oliver 1650 Diesel w/Loader
$2,850

Oliver 1750	Coming In
New JD 1650 Mechanical FWD Rental Tractor	Call for Price

COMBINES

IHC 82 Pull Type	Special $1,750
Gleaner K w/12' Platform	$7,450
NI 729A Sheller Unit w/4 Row Narrow Corn Head	$5,000
JD 6600 Side Hill 1400 hrs., 1977 model Excellent	$24,900
JD 105 Gas w/Cab Q-Tach Feeder House	Coming In
JD 30 Combine, pull type	$700
AC Gleaner M-2 w/1400 hrs., 6 row corn head & 15 ft. Flex, Excellent	$28,900
NI 2 Row Narrow Super Sheller, Like New	$6985
JD 45 Combine w/Cab & 12 ft. Platform	$3,950
JD 243 Corn Head	$2,650
JD 244 Corn Head	$1,995
JD 343 Corn Head w/Harvester Mount	$3,950
IHC 844 Corn Head, 4R Wide, Like New	$3,800

Many Grain Platforms to Match Combines in Stock

MISCELLANEOUS

JD 3 Row Wide Forage Head Like New	$3,950
Gehl 1200 Forage Harvester w/2RN & 7' Pickup, like new	$8,950
JD 225, 12' Offset Disk, new	$4,500
Bobcat 731 Skid Steer Loader, Dsl., excellent.	$6,950
Tandem Tank Spreader, Excellent	Coming In
JD 5460 Harvester w/Rotary Screen and 4WD	Coming In
JD 3 Row Narrow Corn Head	Coming In
JD 5200 Harvester w/4WD	Coming In
JD 350 3PT SOLD r 7 ft	$1,385
Hesston 320 Self Propelled Windrower	$3,950

Mechanic Special
Gehl 2500 Skid Loader $2,000

Gehl 350 Tandem Spreader $2,000

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JOHN DEERE

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For Sale Tanks - Irrigation

New and used polyethylene storage and transport tanks - irrigation pipe and supplies. Used 1000 - 2000 - 2250 gal. tanks. See the new 1000 gal. horizontal tank with molded base, easy truck or trailer mount. New for 1987 2500 gal. tank. Used irrigation pipe 2"-3"-4"-5"-6". New and used pumps and travelers. Let us find your irrigation equipment needs for 1987. Specializing in liquid manure irrigation. We can supply your 1986-87 fertilizer needs with Alpine Plant Food, Liqui-Cal, Sulfur, Micronutrients and Biologicals. Manufacture to farm is our goal. You save when you call **(717) 264-3515 or 264-7492.**

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Adin L. Frey - Over 20 yrs. on the farm experience with irrigation.

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JD 2350, 4WD	$14,500
JD 2940	$11,500
JD 2840 SOLD	$8,500
JD 4430, power shift SOLD	$8,750
JD 4430, cab, air	$11,000
JD 4230, cab, air	$11,000
JD 4030, cab, air	$10,500
JD 4520, power shift	$7,000
JD 4320	$8,000
JD 4020, power shift, 68 model SOLD	$5,250
JD 4020, 68 model	$6,500
JD 3020, wide front SOLD	$6,500
JD 3020, gas	$4,000
JD 3010	$4,500
JD 2510, wide front	$5,000
JD 2510, gas	$3,500
JD 450 Crawler Loader	$10,500
JD 100 Stacker, Like New SOLD	$3,500
White 2-150, cab & air	$8,500
MM 1355	$5,500
Oliver 1755, excellent	$5,500
Ford CL40 Skid Loader, excellent	$5,500
Cat D6C, power shift	$25,000
Case 680 Backhoe w/cab	$8,750

1 FARM EQUIPMENT

FORD TRACTORS

New CL25 Skid Steer Loader w/Dsl. Engine
New TW 20 w/Cab, 4WD, Air
New 7710 w/Cab, Air
New 5610 w/Dual Power
New 4610 SU
New 2810, 3910
New 1310, 1510, 1710
New 1210 4WD
Used 871

NEW HOLLAND

Used 36 Crop Chopper
Used 273 Baler
Used #7 Forage Box

NEW IDEA

New NI 406 Rake

OTHER EQUIPMENT

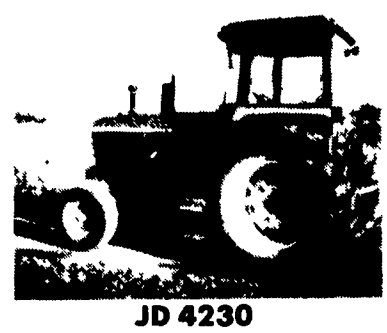
New Ford 133 High Clearance Chisel Plow
New Ford 208, 12½' Field Cultivator
Used Leyland 154 Tractor w/Loader
Used Satoh Beaver Tractor w/4WD w/Front Blade
Used Ferguson T030
Used Farmall Cub Loboy w/Mower
Used Farmall 350 Utility
Used Farmall BN w/Cultivators
Used JD 24T Baler w/Kicker
New Glencoe 12'9" Finishing Harrow
New Glencoe Soil Saver Stretch 7 Shank
New Glencoe Soil Saver 5 Shank
New Amco Heavy Duty 12' Disc Harrow
Used Windrow PU & 2R Corn Head to fit IH 550 Harvester

"NEW" NEW HOLLAND

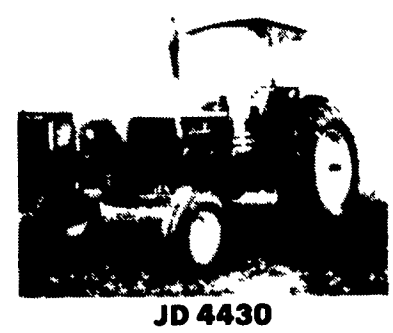
NH 353 Grinder Mixer
38 Crop Chopper
848-853 Round Balers
411 Disc Bine
NH Manure Spreaders
790 Forage Harvester

Sweigard Brothers
RD #3
Halifax, PA 17032
717-896-3414

NICE TRACTORS FOR SALE

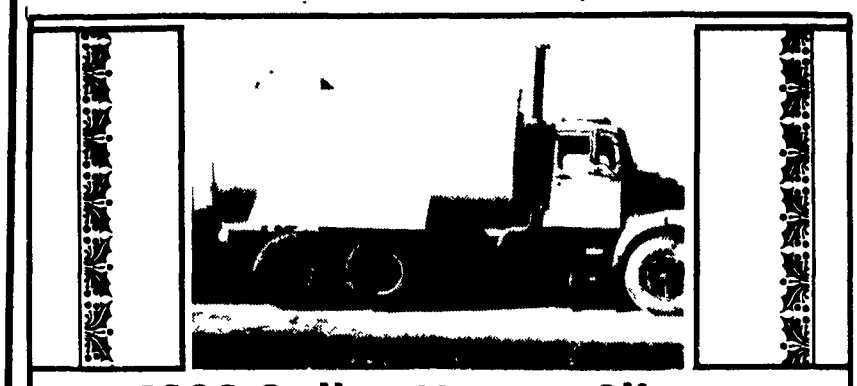


JD 4230
$10,800.00



JD 4430
$10,800.00

717-532-7054



4000 Gallon Manure Slinger

Designed, built, proven on the farm, positive mechanical drive, complete ready to install.

$4,850.00

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A Runs Good-Late Model	$800
A w/Widefront-For Collector	$1500
620-3 Pt.-PS-Runs Good	$2200
420 w/Mower-3 pt.-WF-RCP	$2900
301-Gas-As Received	$2900
(2) 435-GM Diesel-RCP Each	$3900
1010-Gas-Cult.-RCP	$3900
730 Diesel-Try-3 pt.-RCP	$3900
JD 301 w/Mower-Clean	$3900
430-PS-3 pt. Cult.-For Collector-RCP	$4500
830-DE-2 Cyl.-Nice	$4500
830-DE-2 Cyl.-Nice	$5500
301 w/Loader-Gas-3 pt.-PTO	$5900
3020 Diesel-WF	$5900
2640 Orchard	$5900
4020-Very Nice-RCP	$6900
4230-4 WD-Cab-Quad	$17,300
R-80-820-830 In Stock	Call

FORD TRACTORS

8N-Nice	$2400
8N-Very Nice	$3200
4000-Utility-Gas-PS-RCP	$4500
3400 w/ldr.-Forks-RCP	$4900
8000-1972-w/Dual Power	$4900
2000 w/Mower	$5900
3400 w/Loader-Gas-3 pt.-PTO	$5900
335-Gas-3 Pt-PTO-ROPS	$6500
4400 w/Loader-Gas-3 pt.-PTO	$6500
4600 Diesel	$6900
5000D-Redone	$6900
1700 w/Tools-Tire Chains 227 Hours	$6900
4400 w/ldr.-RCP-Gas-3 pt.-PTO	$6900
9700-ROPS-Wts.	$7800
6600 Diesel-Flat Deck	$7900
4100 Diesel-4WD-Cab	$8600
8700-Dual Power	$8900
420 w/ldr.-RCP	$8900
(12) 515 w/Loader-Gas-3 pt-PTO $7900 to	$8900

FARMALL TRACTORS

Super A w/Cult.	$1900
Super C w/Cult-Sharp	$1900
Cub-Mower-Hydraulic	$2000
Cub-Late Style	$2500
404 w/Mower	$2500
504 Diesel-Hi Clearance	$2600
Super AV w/Cultivator-RCP	$2900
350 Utility w/Rotary Mower-RCP	$2900
544 w/Ind. Rotary Mower-RCP	$3200
140 w/Woods Rotary Mower-RCP	$3900
424-Diesel-Utility-RCP	$3900
560D-Clean-Wide Front-FH	$3900
656 Diesel-Utility	$4500
574-Cab	$5300
656D-Hydro-Clean	$5900
100 Hydro	$5900
504 w/Loader-Gas-Utility	$5900
784-Cab-3500 Hours-1978	$6900
86 Hydro-Hi-Clear-Diesel-RCP	$6900
1206-Nice Local Trade	$6900
886-1979-Cab-Air-TA Works	$8900
1586-Cab-Air-Bad TA	$11,900
1466-Cab-Super Sharp	$11,900
766-Cab	Coming In
826 Cab	Coming In
2400 B w/Loader-Gas-3 pt.-PTO	$6900
2400 B w/Loader-Gas-3 pt.-PTO	$7200
2500 A w/Loader-Gas-3 pt.-PTO	$7500
2500 B w/Loader-Gas-3 pt.-PTO	$7700
2500 B w/Loader-Gas-3 pt.-PTO	$7900

OLIVER & WHITE TRACTORS

1355	$2500
88-Wide Front-For Collector	$2900
2255-Cab-Air-Fender Tanks	$7900

CASE TRACTORS

930 CK Standard-Clean	$3900
970-Sharp	$6500
2670-Cab-Duals-3 pt.-PTO-RCP	$13,500

MASSEY FERGUSON TRACTORS

Pony w/Mott Mower	$1900
22 w/Loader-3 Pt.	$2000
1080D-1972	$3000
130 Vineyard-Diesel-3 Pt.	$3400
35 Gas-WF-3 pt.	$3400
165 Gas-WF-3 pt.	$3900
165 Diesel	$3900
65 Utility Diesel-Rebuilt Multi Power	$3900
35-Gas-RCP	$3900
Workbull w/Loader-Diesel-3 pt.	$3900
(2) 50-GAS-RCP-Sharp Choice	$4800
65 Gas-PS-RCP	$4800
30 w/Loader-3 pt.	$4900
35 GAS-P S.-RCP	$4900
165 Diesel-Multipower	$5400
Workbull w/Loader-Gas-3 pt.-PTO	$5900
MF 165 Gas-WF-3 pt.-RCP	$5900
1105-Diesel-WF-3 pt.-RCP	$6900

IMT, LONG, KUBOTA, VALPADANA & DEUTZ TRACTORS

Long 460-1978-As Is	$2500
Kubota B6100-2WD	$2900
Kubota B7000-4WD-Rotovator	$4400
Valpadana 20/26 4WD-DEMO	$5900
Kubota L235-4WD	$6900
IMT 539-New	$6995
Kubota L275-4WD w/Mower	$8800
Valpadana 4033-4WD-DEMO	$8800
Long 360 4 WD-New-Was $13,690	$9400
Long 460 4 WD-New-Was $15,373	$10,800

ALLIS CHALMERS TRACTORS

G-RCP	$1900
D17-Gas-Try	$2900
200	$4900
210 Diesel	$6500
185-Wts.-Very Nice	$8500
185 Cab-Air-1978-2200 Hours	$9900

DETAILED VCR COLOR TAPES WITH SOUND AVAILABLE FOR ANY OF OUR MACHINES (VHS ONLY) $25 Per Machine

See Any Of This Equipment In The Comfort Of Your Home! ($10.00 Refundable Upon Return)

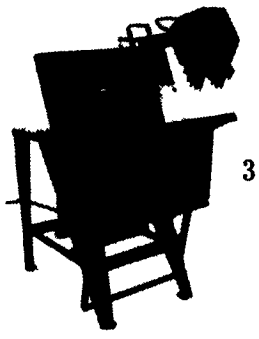
3 Pt. & Pull Type

NEW CORNSHELLERS

- 3 Pt. Economy $795
- 3 Pt. Standard $1395
- 3 Pt. Deluxe $1695
- Pull Type ..... Add $100

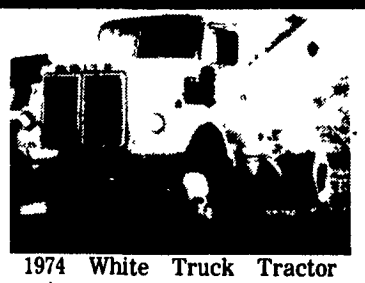
Pictured Is Standard Model

NEW SHIPMENT JUST ARRIVED



3 Pt. WOODSAWS

$495



1974 White Truck Tractor w/Heavy Loading Crane, Crane Turns 180°, Rebuilt 318 Detroit, 10 Speed Road Ranger, 4 WD, Operating Condition, Truck Has P.T.O.

ONLY $6500

TRUCKS

1956 GMC 10 Wheel Dump	$3500
1966 Chevy C60 Dump	$3500
1968 IH 1x Dump.	$3500
1973 Ford F350 w/Dump	$4900
1968 Dia Reo 1x Dump	$4900
1974 White Diesel w/Crane	$6500

FIELD CULTIVATORS

Glencoe 13' 3 pt

FORAGE WAGONS

Fox 625

POTATO EQUIP.

Iron Age 2X Planter
1 Row Planter
2 Row Digger
1 Row Digger-3 pt

DUALS

18.4x34 Snap On
20.8x38 Axle
18.4x34 Axle
18 4x38 Snap On
18.4x38 Ford Axle
20.8x38 Snap On

SPREADERS

JD R
IH Cub
NI 18
NI 12A

CONSTRUCTION EQUIPMENT

NEW 1986 TRAILERS ON SPECIAL

- 2 Axle, 4 Ton, 14 Ft. $1,495

TRAILERS

1986 1x1 Ton	$695
1986 2X 4 Ton	$1500
6 Ton Tag-A-Long	$2800
6 Ton Goose-neck	$3400
Used 12 Ton	$3900
26' Goose-neck	$4500
Phelan 20' Lowboy	$4800
1986-12 Ton	$5800
1977 44' Movall Drop Deck	$10,500
1977 Phelan 25 Ton Double Drop.	$12,500

SKID STEER LOADERS

White 4-30	$3500
Melroe 720	$4900
OMC 440	$7900
(2) Case 1845 Diesel	$8900

FORKLIFTS

4000 lb., Solid Tires, Side Shift	$1000
3 pt. Attach-NEW	$2500
Clark 6000 lb.	$2900
Datsun 9000 lb.	$3900
White 6000 lb.	$4900
AC 6000 lb.-RT	$5900
Clark 8000 lb.-RT	$5900
White 4000 lb.	$6900
White 2-44	$7900
TCM-6000 Lb.	$7900
Hyster 10 Ton-RT	$8900
TCM 5000 Lb.	$9900
Komatsu 5000 lb.	$9900
AC 600-21'	$10,500
White 21'	$11,500
Case 586	$12,500
AC I600-21'	$12,500
Case 584-21'-Gas	$14,500
Sanderson SB70	$16,500

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(100+) Used Hoe Buckets	Come Look
(30) Loader Buckets	Come Look
(30) Set Forklift Forks	Come Look
Mortar Mixer	$795
(2) Rollers-1 Ton	$1250 & Up
2 Ton Roller	$1750
JD 350 Winch Attach	$1900
Knuckle Boom Log Loader Assy.	$3500
Joy 185 Diesel Compressor	$5900
Galion 503 Grader	$7900
Galion 503 Grader	$8900
Leroi 175 Air Compressor	$8900
Rex 3-50 Compactor	$39,500

LOG SKIDDERS

Ford Log Hog	$2800
Franklin	$3500
Timberjack 230	$10,500
JD 540 A.	$11,500
JD 440C-1978	$18,800
JD 640	$24,900

TRACTORS WITH LOADERS

MH 22	$2000
MF Workbull	$3900
Ford 3400	$4900
MF 30	$4900
MF Workbull	$5900
Ford 3400	$5900
JD 301	$5900
IH 504	$5900
Ford 4400	$6500
Ford 4400	$6900
IH 2400B	$6900
IH 2400B	$7200
IH 2500A	$7500
IH 2500B	$7700
IH 2500B	$7900
(2) Ford 515	$7900
(3) Ford 515	$8500
Ford 515	$8600
Ford 515	$8700
Ford 515	$8800
Ford 420	$8900
(4) Ford 515	$8900
Valpadana 4033-4WD DEMO	$10,800
Valpadana 4038-4WD DEMO	$11,300

BACKHOES

IH 3616	$5900
IH 2400	$5900
Ford 4500	$6500
Ford 3550	$6900
Ford 5550	$6900
JD 300	$7900
Case 580	$8900
(2) JD 400	$8900
MF 30	$8900
MF 50-Cab	$10,500
JD 310	$10,500
IH 2500B	$10,500
IH 2500A-Cab	$10,900
JD 410	$10,900
JCB-Cab	$11,500
IH 3820-4WD	$12,500
(3) Case 580B	$12,500
JD 410-Cab	$13,500
Case 580F-Cab	$16,500
Case 580C	$16,500
(3) Case 580F	Coming In

RUBBER TIRED LOADERS

Hough H25	$1500
Trojan 124-Cab	$7900
Trojan 204-Cab	$8900
Michigan 175A II-Cab	$9,500
Hough 65-Cab	$9,500
Fiat 545-Cab	$16,500
Fiat 345B-1979	$19,500
Ford A62-1980	$25,000
JD 644B	$26,500

DOZERS

IH TD14	$2900
JD 1010	$5900
JD 450	$7500
JD 350 Cab	$9500
JD 350 6 Way	$9500
Case 450B-6 Way	$13,500
JD 450 6 Way	$13,500
Cat D4D-Cab	$19,500
Cat D5-Cab.	$19,500
Case 1150B-Cab	$19,500
(5) Cat D4D	Coming In
Case 850 6 Way Cab	Coming In

CRAWLER LOADERS

Case 850	$7500
(3) Case 350 Each	$8500
Case 850	$8500
MF 2244-Ripper w/4 in 1	$8500
(3) Cat 933F Cab	$9500
(2) JD 350-Cab-Ripper. Each	$9500
IH 150	$9500
Case 450	$9500
Cat 933F Cab 4-In-1	$10,000
(2) JD 450	$10,500
JD 450 B.	$11,500
JD 350 w/Hoe	$11,500
Cat 933G Cab Ripper	$11,500
JD 450 w/Hoe	$11,500
MF 200 w/Hoe-Cab-4-in-1	$12,500
Cat 951C	$12,900
MF 400-Cab-Ripper	$14,500
Komatsu D31-Cab.	$18,500
Cat 941-4 in 1	$21,500
Cat 941-Cab-Ripper	$22,500
(2) Cat 941-Cab- 4 in 1	$22,500
Cat 941	Coming In
Cat 951C	Coming In

EXCELLENT SELECTION OF AFFORDABLE USED EQUIPMENT

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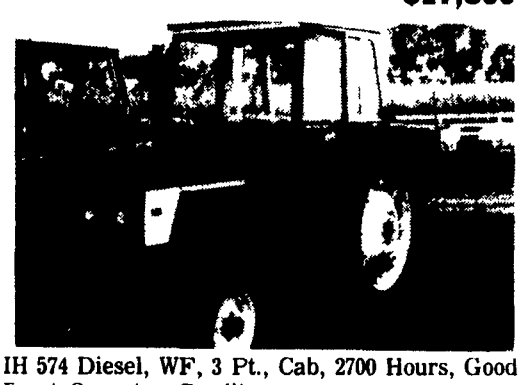
IH 544 Gas w/Industrial Mid-Mount Mower, New Paint, Works Good, Good Rubber. **$3,200**

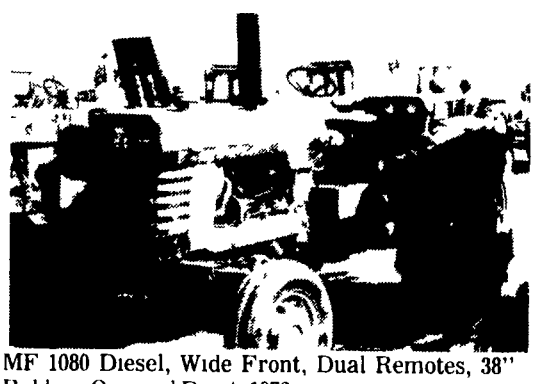
1975 JD 4230 4WD- 90% Rubber, Fresh Major On Engine, 2500 Hours, Clean Original, Cab, Air, Quad., Good Tractor **$17,300**



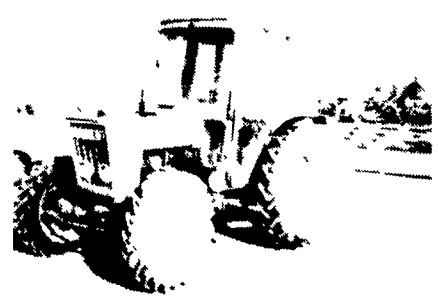
IH 574 Diesel, WF, 3 Pt., Cab, 2700 Hours, Good Paint, Operating Condition
Special Price $5,300

Ford 4400 Tractor Loader, Gas, 3 Pt., PTO, New Paint, New Tires, Power Steering, Wide Bucket, Full Hydraulics.
Don't Miss This One **$6,900**

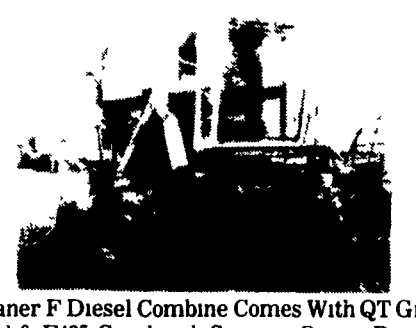
Schwartz 750 Mixer-Feeder Wagon With Electronic Scales, Fair Condition
$2,750



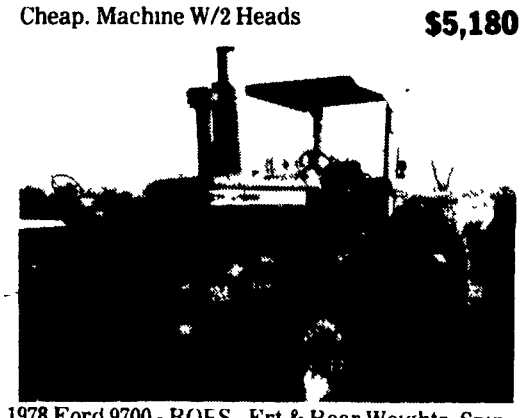
MF 1080 Diesel, Wide Front, Dual Remotes, 38" Rubber, Original Paint, 1972
Don't Miss Out **$3,000**



Ford 4100 Diesel, Factory Cab, 4WD New 12.4x36 Radials On Rear New 8.3x24 Front Tires 2235 Hours, Fair Condition. **$8,600**



Gleaner F Diesel Combine Comes With QT Grain Head & F435 Cornhead. Seasons Over - Price Is Cheap. Machine W/2 Heads **$5,180**



1978 Ford 9700 - ROPS - Frt & Rear Weights, Spin Out Wheels, Runs & Looks Good.
Wake Up- Too Cheap **$7,800**

COMBINE SALE
All Combines Have Cabs

- JD 4400 Gas-Sharp w/Grainhead **$9500**
- White 8600-D-QT w/Grainhead **$8680**
- JD 3300 D-R Screen-QT-Base **$7420**
- IH 615G-R Screen-QT w/Grainhead **$7850**
- White 7300 G-QT w/Grainhead **$7850**
- Gleaner F Diesel w/Grain & 435 Corn **$5180**

CORN & GRAIN HEADS AVAILABLE

NEW EQUIPMENT SPECIALS

SITREX P.T.O. TEDDERS
2-Wheel Pull or 3 Pt
$895

4 Wheel- **$1695**

ROTARY MOWERS
40" 3 pt Heavy Duty $495
4' 3 pt Standard Duty $449
4' 3 pt Heavy Duty $495
5' 3 pt Standard Duty $449
5' 3 pt Heavy Duty $495
6' 3 pt Heavy Duty $695
7' 3 pt Heavy Duty $1395
4' pull Heavy Duty $595
5' pull Heavy Duty $695
6' pull Heavy Duty $895
7' pull Heavy Duty $1495
4' 3 pt Estate $1195
5' 3 pt Estate $1295
6' 3 pt Estate $1695

SICKLE BAR MOWERS
6' 3 pt pitmanless $1495

SCRAPER BLADES
6' 3 pt Heavy Duty $195
7' 3 pt Heavy Duty $225

CEMENT MIXERS
9 Cu. Ft.-3 Pt. $595
12 Cu. Ft.-3 Pt. $695
20 Cu. Ft.-3 Pt. $795

STONE RAKES
6' 3 pt. $495
7' 3 pt $550
8' 3 pt. $595

HAY TEDDERS
2 Wheel Pull PTO $895
2 Wheel 3 pt PTO $895
4 Wheel Pull PTO $1695
4 Wheel 3 pt Ground $465

HAY RAKES
4 wheel 3 pt $465

WOODSAWS
3 pt PTO 30" $495

ROTOVATORS
34" 3 pt. $875
42" 3 pt. $875
60" 3 pt. $1275
66" 3 pt. $1375
72" 3 pt. $1475
82" 3 pt. $1975

LOADERS
3 pt snow & dirt bucket. . . $695

SEEDERS
PA 100 3 pt $275
PA 250 3 pt $285
PA 300 3 pt $295
PA 400 3 pt $395
PA 500 3 pt $450

LANDSCAPE BOXES
3 pt 5'6 $495
3 pt 6' $495
3 pt 7' $595

TRAILERS
1986 1 ton-9' Bed $695
1986 4 ton 14' $1495
1986 4 ton 16' $1595

POST HOLE DIGGER
3 pt 6", 9", 12", HD.. $495

CHISEL PLOWS
3 pt 9 tooth spring loaded $595

DIRT SCOOPS
3 pt Reversible $395

POTATO PLOWS
1 row 3 pt $95

DISC HARROW
5'6" 3 pt 18" Combo . $495
6'6" 3 pt 18" Combo $495

SUBSOILERS
3 pt 1 shank HD . $369

BALE MOVERS
3 pt 3 tine HD $379

FORKLIFTS
3 pt tilt cyl HD $2495

WAGONS
6 ton $450
8 ton loaded $550
10 ton loaded $625

CULTIVATORS
1 row 3 pt $149

BOOM POLES
H.D. 3 pt. $149
Standard 3 Pt. ..... $ 79

100 COMBINE CORNHEADS

LOADERS
Loader Off D B 990
Freeman Off 880 Brown
AC Off 1600
Souders Loaders
IH 2250 Loader
IH 2050 Loader
JD 158 Loader
Loader Off 800 Ford
IH 2000 Off 706
Loader Off 4000 Ford
Loader Off 30 Ferg
JD 47 Loader
JD 48 Loader

CORNPLANTERS
IH 2X Fast Hitch
Ford 6X Pull
JD 246 2x3 Pt
IH 56 2 Row
Ford 2x3 pt.
MF 2x3 pt -NEW
Oliver 2x3 pt

ROLLBARS & CABS
IH 2 Post w/Roof
Case 1070 Cab
AC 7000 Rollbar
JD 4020 Cab
DB 1200 Cab
(30) Combine Cabs
Case 990 Cab
AC 7030-7050-Cab
MM G1000 Vista Cab
Ford 4000 Cab
Ford 6600 Cab
JD 4320 Cab
Ford 9600 Cab

BALERS
Extra Throwers
JD 214 Wire Tie
NH 851 Round
NH 67

NEW IDEA UNI SYSTEM ATTACHMENTS
731 4x40 Cornhead
743N Cornhead
766 Pickup Head
Extra Grain Heads
728 4x30 Corn Head
3x30 Harvester Head
705 Diesel Tractor
QT Throat Assy
710 Combine
725 3RN Cornhead

CHISEL PLOWS
JD 10' Pull
Landoll 10' Pull
5 Tooth V Chisel (3 pt)
1 tooth 3 pt subsoiler
5'-8'-9'-10'-12'
-14'-16' 3 pt
3 Tooth V Chisel

DISCS
IH 10'-11' 13 Transports
JD Plowing Disc 11
KK 6' 3 pt
IH 480 w/Wings-24'
IH Cub Disc
JD 10' RWA Transport
Bush Hog 16' w/Wings
JD KBA 8' pull
JD 310 Transport
Wilbeck Offset-11'

SICKLE MOWERS
JD 9 3 pt
Ford 3 pt.
IH Cub
IH FH
Sitrex 3 pt. dynabalance

HAYBINES
NH 478-7'
Hesston 1070-7'

PLOWS
AC 3xSC
JD (3 pts) 2x 3x
JD (Semi) 4x-5x
JD (pull) - 2x 4x Reset
JD 1x Reset 2500 Attach
Oliver 3x 3 pt
Oliver (pull) 3x
Oliver (semi, Reset) 4x 5x
IH 1x (MTD)
IH 2x, 1 pt, FH
IH 3x 3 pt
IH 550 5x (Semi)
IH 710 5x (Semi)
Ford 2x (3 pts)
MF 880 5x (Semi)
MF 2x Rollover
Oliver 4x3 pt
JD 5x Rollover
Oliver 3x Rollover
JD 3X Rollover
IH 3X Rollover
IH 4X Rollover
AC 3x3 pt
JD 7x Reset
JD 4x Pull
OL 2x Rollover
IH 3x FH
IH 3x FH Disc Plow
Ford 3x3 pt
Case 2x3 pt

HARVESTER HEADS (75 In Stock)

MISC. EQUIP.
Spike Harrow
IH Cub & 140 Attachments
Hesston 10W Mower
8 FH Blade
12' Lime Drills
IH Side Dressers
8 to 12' Spring Tooth Harrows
Tandem Axle Fert Spreader
Hesston 30 Mover
(3) Bale Wagons
IH 5100 Drill
(2) Hesston 10 Stackers
Danuser PHD
Fox 660 Blower
IH 56 Blower
Gehl 95 Grinder Mixer
(3) Cornpickers
(7) Harvesters
Transplanters
Hay Rakes
Cornshellers
JD 300 Elevator
Grain Auger-6"x32'
9' & 12' Cultipacker

ROTARY MOWERS
JD 5' Pull
Ford 7' Pull
Woods 6' Offset 3 pt
Bush Hog 4X Stalk Chopper
Woods C80 3 pt
Woods 5' 3 pt

CULTIMULCHERS
JD 930 - 12' 3 pt

CULTIVATORS
AC D14 D15 2x
Ford 2x3 pt
JD 2x (H & 420)
JD RM6
JD 6x Frt Mtd
IH Cub & Super A A C
IH C H M 2x Frt
IH 461 Ftr Mtd 4x

DEUTZ ALLIS

NEW TRACTORS & EQUIPT.

Deutz-Allis 6035, 33 HP 8F 2R trans

Deutz-Allis 6275, 73 HP 12F 4R trans, Dual Remotes

SPECIAL OF THE WEEK
All Hay Equipt

Deutz Allis 6080 84 HP 12F/3R trans, cab

Deutz-Allis 5220, 21 HP 12F-4R trans turf tires

Deutz Allis 6265, 65 HP, 12F 4R trans dual remotes

Landini 5830 42 Hp 12F/4R trans 4WD Make Offer

SM40CR Mower Conditioner $4,545

HD 490 Square Baler w/Thrower 23T per hr, $10,150

KH-500 17 rotary tedders $2,595

KH 300 9'10" rotary tedders $1,595

KS-85DN 9'10" rotary rake $1,995

KS 150AS 10'10' rotary rake $2,095

USED TRACTORS & EQUIPT

DX 160 Radials Cab Air Heat

MF Ind Tractor & Loader Shuttle Shift $5 900

IH 656 Dsl Cab 15 5x38 tires

MF 65 Tractor Mechanics Special

NH 850 round baler excellent shape

JD 1209 mower conditioner stub guards $3,500

Deutz Basic F2L 912 Rebuilt Exchange Engine w/warranty $1 620 Block & Crank Must Be Rebuildable

Stauffer Diesel Inc.

RD 3, Box 659-B
Pleasant Valley Rd
Ephrata, PA
PHONE 717-738-2500

WISCONSIN ENGINES
SALES & SERVICE

EQUIPMENT

- New Leon Loader w/Bucket $1,200
- New Farmco 16 Ft. Hay Feeder $615
- 1150 Int. Grinder Mixer $1,400
- 455 N.H. Mower w/New Guard & Wear Plates $995

TRACTORS

- 135 Massey, Excellent $3,950
- AC D19 Gas w/Pulley $2,600
- 930 Case w/Pulley & Steel Wheels $4,850
- Int. 560 Gas, Wide Front, F.H. $2,700

AVCO VM Diesel

MILLER'S REPAIR
1 Mile North of Bird In Hand
8 Miles East of Lancaster
RD 1, Bird in Hand PA Ph 717 656 6109

JOHN DEERE bobcat

BACKHOE LOADERS
JD 310A, 1979, Tag 1936 ..... $19,000

CRAWLER DOZERS
JD 350B, Canopy, 6 Way Blade, New Undercarriage, Tag 5039 .. $15,500
JD 450, 6 Way Blade, No Rops, Tag 5108 ..... $15,000

SKID STEER LOADERS
Bobcat 610 60" Bucket, Floats, No Rops, Tag 5114 ..... $4,000
Bobcat 943 w/78" Bucket 219 Hrs., Tag 7179 ..... $27,500
Bobcat 975 w/84" Bucket 122 Hrs.; Tag. 7256 ..... $33,000

Call JIM NIXON for Prices, Information

LCL Construction Equipment
2590 Unionville Pike
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(215) 362-2510

A New Beginning!

Best wishes to all our valued customers on this very happy occasion! Enjoy!

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Serve A Balanced Ration
with the FARMASTER
Self-Propelled Mixer

Mix TMR, Grain Rations or Vitamin and Mineral Supplements Thoroughly and Efficiently!

Features: •All Stainless Steel Mixing Drum •Hydrostatic Drive •7 HP Honda Engine •Electronic Scale •Hardware Magnet

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Call For On Farm Demonstration

End Of Year Special · **FREE BEAM SCALE** With This Unit Now Thru Dec 31st

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DEPENDABLE MOTOR CO.
East Main St., Honey Brook, PA.
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Pittsburgh 4B 18" Semi Mtd. Auto Reset Plow $5275
Dunham 3 Bar 8 Tooth Cnisel Plow Spring Loader 32" Shanks $1695
Dunham 8' & 10' Cultipackers. Special Prices

USED EQUIPMENT

IH 37 Baler
NH 310 Baler
NH 315 SS Baler Exc.
NH 56 Rake
Butler Oswalt 1830 Ensilmixer
Butler 280 Ensilmixer Stainless Steel Lined
NH 679 Spreader w/Hyd End Gate & Top Beater
NH 770 Harvester w/Electric Control.
NH 467 Haybine
JD 7000 Corn Planter 6 Row Narrow w/Monitor
Gehl 99 Blower w/High Thrower
NH 28 Blower

DEALER FOR
BUTLER | Livestock Systems
NEW HOLLAND | Roskamp | HUTCHMASTER

COMBINES

JD 7720 4WD, 2400 Hrs. 216 Flex Cutter Bar, 643 C.H.
JD 7720 w/4WD, 1,830 Hrs. w/JD 220 flex cutter bar, and JD 843 corn head
JD 7700, 15' Platform 1971
JD 7700 Gear Drive, Rotary Screen, 15' Cutterbar, 1975
JD 6600, Gear Drive, 14' Cutter Bar
JD 6620, Titian II w/232 hrs., 216 flex cutter bar

TRACTORS

'78 JD 2440, 940 hrs., excellent condition
'75 JD 2630
'74 IH 1066
'71 JD 4620, Cab, Dual, 20.8 Tires
'73 JD 4430, Cab & Air, QR Dual 18.4x38
IH 184 Low Boy w/60" Woods Mower

TILLAGE

15' Ford disc harrow w/dual whls.
JD F145, 4 btm. semi plow
Ford 4 btm. 16" mounted plow

PLANTING EQUIPMENT

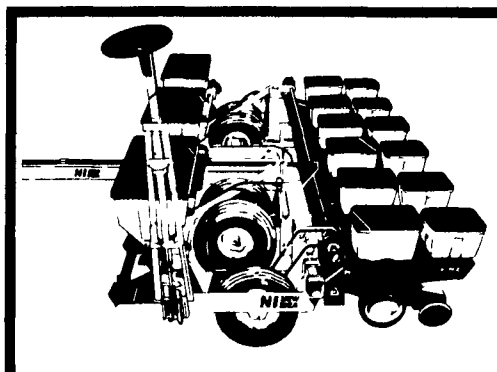
JD 7000 Front Fold No-Till Coulters, Liq. Fert.

MISCELLANEOUS

Farm Hand XG-50 tub grinder, excellent condition, 2 yrs. old, all updates installed, $16,000
JD 35 Harvester w/2 RW Head
JD Rotary Hoe 3 Pth.
Century Recycling Sprayer
Hesston Round Baler 5600
JD 336 Baler
IH 3 pt. hitch sickle bar mower

W.N. COOPER & SON, INC.
Morgnec Rd. Rt. 291
Chestertown, MD
301-778-3464

ATTENTION!



New Idea's Double Frame Planter... THE PLANTER YOU CAN GROW WITH!

The 900 Series Double Frame Planter line provides a wide range of operating flexibility...conventional, minimum or no-till planting, wide or narrow rows, interplant capabilities for solid or skip rows, liquid and dry fertilizer, insecticide and herbicide applications. Whatever your planting requirements are, today or in the future, New Idea Double Frame Planters will see you through with the ease of precision of superior planter performance.

In Stock: 900 SERIES DOUBLE FRAME 4 ROW PLANTER

Best Buy Until Dec. 31, 1986

CASH DISCOUNT OF $1,675
Plus $250 CUSTOMER DISCOUNT

7.9% Financing (3 Yrs.) Plus Cash

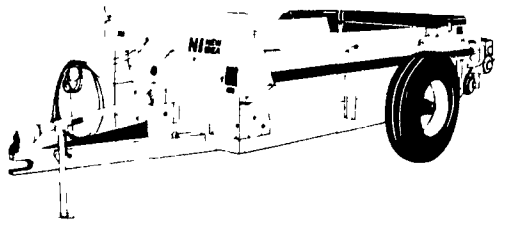
or

Interest Waiver until May 31, 1987 Plus Cash on New Idea Planters

CASH- Best Buy, Bigger Discounts!

360 SERIES SPREADERS

BUILT BETTER THAN EVER... AT A "BETTER THAN EVER PRICE."



The Clad-Tuff™ floor, constant velocity PTO, one piece box construction and low profile hydraulic endgate are only a few of the features that add up to "better than ever" spreader. For performance and longer spreader life at a "better than ever" price, see the 360 Series Spreader line from New Idea today.

BEST PRICES ARE FOR "IN STOCK" MODELS
Call Now For Best Selection

Interest Waiver until May 1, 1987
or
Special Finance Rate of 7.9% up to 3 Yrs. or Cash Settlement Allowance

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Bidding you all good tidings in the coming year.

COMBINES W/GOOD SELECTION OF HEADS

We have 10 late model, very nice, local, one-owner combines.

1983 MF 860 Hydro V8 motor, fully eq., low hrs., looks like new, w/rear whl. drive w/1163 C.H. & 15' flex U2, reel, like new.

M.F. (82) 850 4 WD Hydro w/16' Flex + 1163.

M.F. 1980 750 Gray Cab, Hydro, fully eq., 700 hrs.

JD 6620 Side Hill w/700 hrs., looks like new; JD 4420, low hrs., very nice; 1976 JD 7700, real nice.

JD 3300 Real nice w/2 heads.

JD 8820 fully eq. w/Turbo Hydro w/Reverse feeder house and chopper, very nice.

JD '81, 7720, Cab, Air, Turbo, Hydro w/220 Flex.

JD 6620 S.H., 800 Hrs., real nice, just out of field working. For $39,500; JD 6620 LL, 900 hrs., 1 owner, nice; (75) 6600 D. Rotary Screen good; 1977 JD 4400 D., C.A. w/23x26 tires.

IH (Used) 1460 Axial Flow - 800 Hrs., 863 C.H. & 15' grain for, $41,500; MF 550 D., C.A., low hrs.

55 Sq. B. w/Cab - Good; 55 C.S. sq. back w/cab; (76) 915 Dsl., C.A. Turbo Hydro; IH 715 Gas w/Cab & 810 grain for $5,500; 205 w/Cab & 10' G.H.; Gleaner N6 w/R.W.D. & 2 Heads.

('75) 510 D. Hydro w/Cab; **N.H. TR70** C.A. Hydro; Gleaner (76) FD. w/C.A.-Nice; Nice; #90 Pull Type.

N.I. 702 & 705 Uni-Systems w/Full Eq.; 767 Super Chopper; NI 727 Husking Beds; NI 737 Husking Beds; N.I. 729A Shellers.

JD 6620 and 7720 w/low hrs. & both w/4WD. Available This Week.

CORNHEADS: J.D. 843 LP, 643 LP, 443 & 444 LP, 343, 244, 243, (New) Only 1; 443 - $9,100; 313 (45), 205 (40) 234, 435; Late Model 643 & 443, like new; JD 643; 1 JD 443; 653A.

Just Traded: JD 643 & 444 heads; JD 444, low profile, real nice.

I.H. 863, 844, 843, 833, 744, 227.

A.C. GL 440, C440, A438 Black, A630 Black, L2, L438, M430, F430, KF335, F330.

M.F. 1163, 1143, 63, 44, 33, 43, 24, 222, 422.

N.I. 738, 743, 730, 734, 725, 723, 762, 763; Ford 4-30''; Case (404); NH 4 & 6 row.

GRAIN HEADS: J.D. Used 12'-15' Incl. 213 & 215 & (2) JD 216 Flex; JD 213 Rigid.

I.H. 810-13' Thru 16.5' w/Reg. or Floating; 2-New 820, 17½' Flex, $5,500 each.

M.F. 10'-16' Reg. or Floating Bar; **A.C. E10', G15'.**

N.I. 713 Flex Or Rigid.

Tractors & Equip. Just Traded:

AC 7010 C.A.P.S., like new; IH 4568, 4WD.

JD 4040 C.A., Q.R., very nice; JD 3020 w/NI 319, 12 roll mounted picker, local trade; Case 1594, P. Shift, low hrs., like new; Farmall 450 gas, PS, WF; F450 Gas w/F.H. & Loaders; F706 D., WFE, 3 pt.; MF 1135 CA, Duals; IH 205 Combine w/Cab & 2 Heads; JD 230, 21' fold disk, NI 325 w/12 Roll Bed; Taylorway 16' Rock Flex Wing Disk; JD 8300 Drill, 21x7 DD; Case 7' 3 pt. chisel plow w/gauge wheels; JD 1710, 10½' mulch tiller; JD 58 loader, excellent.

Late Model Brillion 10' transport seeder; Knowles 16' wing trans. harrow, used 4 acres; IH 241 Round Baler; IH 1150 Grinder Mixer; Badger Liq. Tank, like new; MF 124 Baler w/Thrower.

Local Trade: Used JD 4450 C.A. w/490 hrs., like new; (77) Case 970 C.A.P.S. original.

Used JD 4240 C.A., Q.R., 1400 hrs.; Local owner, looks like new.

J.D. (New) 4450 C.A.P.S. w/FWD, $44,200; New JD 2950 w/R.G.; 4640 C.A.P.S., Duals - 800 Hrs., Real Nice; 4640 C.A.Q.R. w/dual wheels; 4440 C.A.P.S. - Real Nice; 4440 C.A.Q.R.; 4240 Q.R. $15,500; JD 2940 w/F.W.D. & 260 Loader, Low Hours; 1977 JD 4230 C.A., Q.R., sharp, 2200 hrs.; 2940 w/R.G.; 8630 4 WD C.A.Q.R., Full EQ. w/Duals; 8430 4 W.D. C.A.Q.R., Fresh Motor - Real Nice; 6030 C.A. Duals - Nice; 4630 C.A.P.S. w/F.W.D., Real Nice; JD 4630 C.A.P.S. w/new tires; JD 4430 C.A.Q.R.; 4230 C.A.Q.R.; JD 4040 PS w/R.G.; JD 4030 w/creeper trans.; JD 4230 D w/RG Enclosure; 2940 w/R.G. & 38'' Tires; JD 2630 w/Hi-Lo; 1530 w/Hi-Lo; (70) 5020 - $5,900; JD (5) 4020's 1964-1972; 4020 S.C., W.F.E.; 4020 P.S., S.C., W.F.E.; 4020 w/58 Loader; 3020 D. S.C., W.F.E.; 2520 Dsl.; 2020 Gas; 3020 Gas, PS, original; JD 4520 R.G. & cooler w/30.5x32 tires; 4010 D w/new clutch; 4010 Gas; 730 Gas w/3 Pt.; 630 Gas; 720 D. P.S. w/3 pt; 620 P.S.; 620 L.P.; JD 3010 Gas, real nice; JD 2020 Gas w/L; JD 4010 D., good; JD 2010 Gas, WF w/Hyd. JD Loader.

I.H. (New) 5088 Full Eq. C.A., never used. Sale Price, $33,450; 5488 Full EQ., Radial Duals - Like New; 786, one owner, original; 3288 C.A. West Int., radial tires, looks new; 1086 C.A. w/Dual Whls., original; 1586 C.A. Nice; 1586 w/R.G.; 886 w/Cab 18x38 Tires, 700 Hrs. Like New; 886 w/R.G.; 3588, 2+2 w/Dual PTO, 1300 hrs., real nice; 76- 1066 C.A.; Farmall 1066 C.A., original; Hydro 84, Hydro 70; 784 - 1,000 Hrs., Real Nice; 1568 C.A. - 1,000 Hrs., Real Nice; 1566 w/Cab; 1466 w/Cab; 1066 Hydro - Original; 966 Original; 766D; 464 utility w/2250 loader; 666 D, WF, original, 674 D., 574 D w/Loader, 656 Gas, 806 D - $4,750, 464 Utility, Gas, PS, 1256 w/Cab, Nice; 756 D. W.F.E. & F.H.; 756 G Hi-Clear; 656 Gas - W.F.E. - Original; 656 Gas & Diesel; 656 D. Hi-Clear; 826 D. Hydro; 1206, Nice; 806 D w/3 pt., new paint for $4,475; 706 D. - W.F.E. - 3 pt. - $5,000; 706 Gas T/A, W.F.E.; F.H.; 606 Gas w/3000L; Super M; 230 w/F.H.; IH 240 Utility; 560D; F450 Gas, Tri., F.H. w/Loader.

Local Trade: AC 4W, 305, 4WD, 400 HP, fully eq. w/20x38 Rad. duals, used 120 hrs., like new.

New AC 8050 C.A., P.S., rad. tires, fully eq.; Used AC 8010 C.A., P.S. w/F.W.D.; used AC 6080 w/R.G.

A.C. New AC 6080; (Used) 7045 C.A. - 20 Spd. - Real Nice; 7040 C.A.P.S., Like New; AC 7010 C.A.P.S., like new; 210 - New 20.8-38 Tires; AC 200 D original; AC 220, real nice; XT190D. w/3 pt.

CASE (Used) 1690 C.A.P.S., 200 hrs.; Case 2590 C.A.P.S. - 925 Hrs. - Like New; 1370 C.A.P.S. Factory Duals; 380 D. w/R.G.; Case 2390 C.A.P.S. $14,800; 930 C.K. w/3 pt.; Case 885 D. w/L.

M.F. 2675 w/R.G. w/1,000 Hrs.; 1155 C.A.M.P. - $8,500; 1135 C.A.M.P.; MF 184, 4WD.

Ford TW 35, used 150 hrs., local trade, like new.

Ford 9700 C.A., real nice.

FORD TW-20 w/220 Hrs. - Damaged; Ford 641 w/Hyd. Loader; '52 Ford 8N; Ford 4000 SU w/PS; Ford 3000 w/PS.

OLIVER 1855 w/20.8-38 tires; 1950 T w/Cab - $5,975; 1650 D., WF w/3SP; 1550 gas.

WHITE 4-210, 4WD w/duals, 3 pt. fully eq., 1600 hrs., real nice; (New) 2-65 w/F.W.D. & (New) 1730 Loader - List $29,000 Sale - $19,900; 2-135 C.A.; 2-85 w/R.G., canopy & 18x38 tires.

MISC. Long 445 D. w/4WD, Loader, good; M.M. Vista G1000.

Tractors Coming In:

AC 6080 w/FWD **(SOLD)**; MF 1135 G.A. Original; Used MF 275 **(SOLD)**, 1080 **(SOLD)**, 1085 **(SOLD)**; (81) Case 2390 & 2590

(Several farm stocks purchased recently)

IH 3288 w/C.A. w/670 hrs.; 1086 cab & air; JD 4440 w/P. Shift & R.G.; Case 2590 CA, PS; Case 2090 CA, PS, $14,800; 970 fender, original; JD 4230 CA, QR; 4320 real nice; J.D. 2940; 4020 SC; 3020 D.; JD 4520 w/Factory Cab; JD 2840, 1 owner; Farmall 76-1566 CA, duals; Ford County Super 6, 4WD, w/3 pt.; Farmall Super A w/Cult., Plow & Sickle Mower; Owatonna 1700 Skid Loader; Brillion transport wing harrow.

JD 4630 S.R. Cab & Air; JD 40 w/3 pt.; Case 310 Crawler Loader; Dunham Lehr 8R hydraulic fold S tine cultivator.

TILLAGE EQ.: IH 800, 9x, auto reset, flex plow; Bush Hog 20' Hyd. Fold Disk.

AC 28' Hyd. Fold Disk; Ford 236, 9' Heavy Disk, like new; Glenco SS18 Fold Soil Saver; Field Queen Side Dump Wagon; Farmhand 880 Big Tub Grinder; JD Planters 6R Cons. w/Dry Fert.; 6R Cons./Liq. Fert.; JD 7000, 4R.

CORNPICKERS: (Used) 325-2RN w/8 or 12 Roll Husker, Shellers & Super Shellers; (Used) 324-2 RW w/8 or 12 Roll Huskers; Shellers & Super Shellers.

New N.I. 329 Super Sheller List $6700.00, Special $3,550.

N.I. 330 - 3 RN w/Supershellers; 325 2RN w/Grinder.

JD 3020 w/NI 319 mtd. 12 roll picker, very nice; JD 237 mtd. picker.

PICKER: NI 323, 1R, $1,950; NI 311, 2R picker priced right.

Just Traded: NI 325 w/12 roll bed.

Ford Blue, 1R side mtd. picker, real nice.

FORAGE EQUIP.: Forage Harvesters w/Choice of Heads.

J.D. 5440 S/P w/R.W.D. C.A. - Hydro; 5200 S/P w/R.W.D. C.A.; Hydro; JD 3R 30'' & 3R 34 & 38'' rows, like new; Silage heads & 7' hay pickup heads; 3800 w/Elect. Controls; 34; 5200 S/P w/R.W.D. - Fire Damaged Cab.

N.H. 890, S717; NH 880 w/2RN C.H., real nice; NH 782 w/heads. NH 770 w/heads; J NH Super 717 w/1R C H. $1,000; NH 718 w/1R or 2R C H; NH open end hay pickup heads, 6', like new, $1,000; NH 890 w/2 or 3R C.H.; NH 890, 2R Super Head; NH 890 direct cut head; NH 707 3 pt., 1R & PU head, good.

GEHL 1200 w/3R C.H. & pickup.

GEHL 600 w/2R; IH 830 w/3RN & Pickup $3900.

FLAIL CHOPPERS: NH Used 38; NH 36.

FORAGE WAGONS: 2 JD 716A w/roof & JD 1275 tandem gear w/heavy tubes & tires, new in '85, like new, $7,950; **N.H. #8** w/roof, like new; New Pequea hay tedder, $1,285.

HAY EQ.: BALERS: J.D. 346T w/Thrower; NH 310 w/Thrower; NH 320 w/#70 Thrower, $5395; NH 420, real nice; NH 275 & 273T w/Thrower; **N.I. 456** Round Baler; N.H. 851 Rd. Baler.

RAKES: Used NH 256 for $1,450; NH 260 & 258 w/dual hitch setup.

N.I. (New) 406 w/Dolly Wheel - $2,275.

J.D. 660 w/Dolly Wheel; New Deutz Fahr 17' Hay Tedder, $2,500; Used Grim 17' Hay tedder.

HAYBINES: N.H. 1495 S/P Hydro C.A.D. - 1,100 Hrs. **(SOLD)**; NH 1495 Gas, Planetary Drive w/half cab, $8,875; (Used) 489, 488 Nice; (2) 479; 472 7' (Nice) like new; (82) NH 489, real nice; NH 477, 7' for $2,350.

(Used) M.C. 7E; N.H. 1034 Stack Wagon.

FORAGE HEADS: N.H. 717-S Direct-Cut for 770 & S717; 890 EN-2RN Snapper Head; 770-1R Snapper Head; 1, 2, & 3R Silage Head; NH 822, 2R for 770 or 890.

J.D. 8' Direct-Cut Head; 1, 2 & 3R Snapper Heads; 2 & 3 R Silage Heads, New & Used 5½' Hay Pickups; 7' Hay Pickups; 4-R Stalker Head - Real Nice; JD 243 C.H. w/adapter plate; 3 JD C.H. harvester adapter plates.

I.H. 2 R.N. Silage For 550-650.

FOX 2 CSB 2RW - Snapper Head; 263-2 RW; 215-109 Hay Pickup; 476 - 7' Hay Pickup.

GEHL HA 400 Pickup.

PLANTERS: (Used) 7000-6R Cons. Liquid w/No Till; 7000-4R Dry & Liquid; IH 800 Cyclo 8R 30'' w/liquid Fert., insect, & monitor; JD 4R Cons. w/Dry Fert. & Insect.; JD 7000, 8R w/Fert. & Insect; JD 1240 plateless, nice.

I.H. 800 Cyclo - 6R w/Dry Fert.; Ins. & Monitor.

WHITE 5100 - 6R Drl. w/Cult.

DRILLS: JD 8300 (Like New) 100 Acres; 21x7 D.D. w/Soybean Att; IH 510-16x7 S.D. w/Fert & Grass Seed; J.D. 8350 21x7 D.D. w/Fert & Seed.

New JD 28' Hyd Fold Rotary Hoe Under Dealer Cost. Used 400-15'.

GRINDERS/MIXERS. Brady 1050 Hydro Gr Mixer JD 400 IH 1150, nice

BLOWERS: NH 27; JD 6500, nice.

TILLAGE EQ.: PLOWS JD 2 & 3x #845 Rollover; **I.H.** 5x16 Semi-Mount w/Spring Reset; **OLIVER** 546 - 5x16 Spring Reset; **I.H.** 720- 6x20 sp. reset; I.H. 700 - 6x16 Spring Reset; **WHITE** 549-7x sp. reset; **WHITE** 549 6x18 Spring Reset On-Land; J.D. 7x; M.F. 6x on land hitch; (2) JD 4x16.

JD 8450-4B Rollover Plow.

CHISEL PLOWS: JD 14' w/Gauge Wheels; Brillion 12' w/gauge wheels & harrow; Brillion 8' & 9'; I.H. 55-12'. **DISCS:** Miller 10' Offset; Hutch Master 9' Offset Disk; JD 310, 13'; JD BWA, 12; A.C. 25' Hyd. Fold; JD 230, 20' hyd. fold; JD 215, nice.

MULCH TILLERS: Glencoe SS13 Hyd. Fold Soil Saver; J.D. 1710 - 11'; Krause 2800 - 14'.

CULTIMULCHERS: New Dunham Lehr 13' at dealers cost; JD 3 pt., 12' Mulcher.

PACKERS: (New) Brillion - 12'; (Used) Brillion 10, 12 ft.

CULTIVATORS: J.D. RM 3 pt. 6R rear; JD 4 row 3 pt. rear; Case 6 to 8R 3 pt. hyd. fold cult.; Littleston 4R field cult. **J.D.** 1000-25' - Hyd. Fold

MISC: I.H. #2 & 7 Shank V-Rippers; Glencoe Soil-Finisher 12'9'' - Like New; Howard 13' Rotavator; Bush Hog 7-Shank V-Ripper $1,650.

INDUSTRIAL: CRAWLER LOADERS: JD 450B loader; A.C. H-3 w/6 Way Blade; A.C. 500-21' Forklift; J.D. 840 Self Loading Scraper; Bobcat 722 Skid Loaders.

AC 715B L & B.; Clecteac crawler w/blade; Long 1199A, 3 pt. Backhoe, w/hyd. pump.

LOADERS & BLADES: J.D. 58, 148, 158, 36; **IH 2350** 2355 (New); Used 2001 New Great Bend 700, NI Loader, MF 246 Loader; I H 8' Blade Fits 400-560; (New) J D & I H Buckets; New Leon Heavy Front Blade for 4WD; Caldwell 7 & 8', 3 pt. blades; NI 4R shredders; Brady 4R shredder.

LAWN & GARDEN: IH Cub 154, Cadet 682; JD 950 dsl., real nice.

J.D. 318 w/3 pt., used 110 hrs.; JD 400 w/loader; AC 620 w/Mower.

J.D. 400, 314, 317, 300, 214, 212.

Trailer load of (New) Killbros Bins & Running Gears; Feedwagon; Bestland Rock Picker; Ford 3 Pt. 7' Sickle Mower; J.D. 350 Sickle Mower; (New) Sidewinder 213-13' Rotary Cutter; (New) McKee Snow-Blower Front-Mount; Tandem axle fert. spreader; NI sq. axle fert. spreader; JD Quick-Couplers; Sets Of Press Wheels For J.D. Drills; (2) New Sets J.D. 38'' Cast Whls. & Rim For 4640; I.H. Flat Top Fenders For 706-1466; CABS For Tractors - J.D., I.H. 66 Series; (New) Full Vision Cabs For M.F. 165 Thru 1135; J.D. & I.H. Front & Rear Wts.

J.D. & I.H. Roll-Guards; Fast Hitch for 560 & 450; JD belly mowers for JD 850 & 950 etc.

Heavy Front JD blade for 3020 & 4020, etc.; 30 sets of Dual Wheels.

STRAW CHOPPERS: For **J.D.** 4400, 6600, 6620, 7700; **M.F.** 510.

TRUCKS: I.H. Scout 4x4; DELTA 44' Combine Trailer; 1979 Polar AM 42' 6200 gal. milk trailer.

MECHANICS SPECIALS: TRACTORS - J.D. 4230 P.S. - Trans; 4020 Tri; 4320 w/Cab.

I.H. 1256 - Motorwork, $3,950.

CASE 1410 - Motor

WHITE 4-150 4 whl., needs motor work, $4,950

OLIVER 1855, needs motor, $2,850, Oliver 1800 motor work, $1,950; ACXT190, clutch, $3,950; MF 1135 w/R G, $6,950; JD 4520 w/Cab, $6,950. Farmall 1586 w/fire damage cab

DECEMBER YEAR END SPECIALS

TRACTORS	
JD 2010 Gas Trl P S	$ 1 925
JD 4010 Diesel Trl P S	$ 3,950
JD 4620 w/Cab Good Cond	$ 9 500
JD 4230 Cab & Air Quad Range	$11,950
JD 4430 ROPS	$ 9 750
JD 6030 Cab & Air (175 HP) Nice	$12,950
JD 2940 w/Hi Lo 2 Post R/G	$12,500
I H 706 Gas Trl F H	$ 3,250
I H 606 Gas w/Loader	$ 4,250
I H 1206 W F E	$ 5,950
I H 1468 V 8 C A (145 H P)	$ 5 950
Case 1070 Power Shift	$ 4,900
A C 180 Diesel W F E Very Good	$ 4 950
M F 1100 Diesel w/Multi Power	$ 3 750
M F 1135 w/2 Post R/G	$ 6,950
Ford 9600 w/Cab & Dual Power	$ 7 450
COMBINES	
J D 6600 Diesel SOLD & 15 Grain Good	$ 8 500
J D 6600 Gas w/Cab (Needs Some Motor Work)	$ 4 500
I H 203 w 13 G H & 227 C H	$ 1 950
I H 915 Di SOLD ow Cab 13 G H & 744 C	$ 7 500
Gleaner E w 10 & 238 C H	$ 2 350
Gleaner L Diesel SOLD (Corn Soybean Speciali w & G H & 438 C H	$ 8 950
M F 510 Diesel w Cab & Q T Grain	$ 5 875
TILLAGE EQ	
New Landoll 230 22 Hyd Fold Chisel List 11 000	$ 7 450
New DMI 12 Chisel	$ 2 350
Used Brady 1000 14 Chisel	$ 1 500
IH 480 Wing Disk 20	$ 2 250
Kewanee Wing Disk 20	$ 1 350
MISC	
J D 336 W Baler w Thrower Real Nice	$ 4 450
N H 280 Wire Baler w Motor	$ 995
Fox Super D Self Propelled Chopper w 2RW Corn head	$ 4 000
J D 7000 6R Plate Planter	$ 3 750
I H 400 Cyclo 6R Liquid Planter	$ 1 500
New 8 Heavy 3 Pt Brides	$ 575

NEW
NEW IDEA CORN PICKERS
BELOW WHOLESALE
Truckloads of 1R #323 & 2R #324 Pickers.
Also Super Shellers & truckloads of parts
Save 40 to 50%
Dealers Welcome Also
NEW IDEA
Available Only From Stitzel's Excellent Financing Available

Largest Selection Of Farm Equipment In The East

All Steel Frame
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All Sizes, Steel
Hay Feeders
24' Feeder On
Whls.
Self Locking Panels
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USED EQUIPMENT

Farmall Cub	AC 7000
Disk Harrows	Used Combines
Grain Drills	IH 1066
Farmall 656	IH Hydro 70

Norman Bright Inc.
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New Ford 4610

USED TRACTORS

New IH 274 w/cultivator

New JD 2150
JD 4630 w/4 post roll guard
JD 4440, cab & air
JD 4430, cab, air, quad range
JD 4230, cab & air
JD 2510
JD 4320, cab
JD 4030, 4 post, roll guard
JD 2940 w/front wheel assist
JD 2940 w/cab
JD 2940 w/loader
JD 2840
JD 2640 w/146 loader, (sharp)
JD 2510 Gas
JD 4240, power shift
JD 4240 w/cab & air
JD 3020 gas
JD 4000
JD 4020, new tires
JD 400 diesel backhoe loader
IH 3500 backhoe loader
IH 1086, cab & air
IH 1066
IH 766 w/cab
IH 806 diesel, excellent
Ford 7000
Ford 6600, like new
Ford 5000 Gas
Ford 4610, like new
Ford 4000 SU
Ford 3600
Ford 3400 w/Loader
Ford 2000
Ford 555 w/loader & cab
Ford 335 w/loader
AC 210 diesel
AC 185, sharp
AC 180, gas
AC 200, like new
MF 265
MF 205, 4WD
MF 50C w/loader
MF 135 diesel
MF 20 w/loader
David Brown 1200
Kubota 4000 w/loader
3 pt. hitch backhoe, like new
JD 2010 Forklift
Int. 7000 Forklift 28' Lift

New Gehl 360 Skid Steer Loader

USED PLOWS

Int. 5 btm. 16" spring reset plow
White 6 btm. 16" plow
White 4 btm., auto. reset plow
Large selection of 3 to 7 btm. plows
Int. 3 btm. rollover plow

GRINDERS & MIXERS

Gehl 65

USED COMBINES

444 JD corn heads
443 & 643 corn heads
JD 1978 4400, diesel
MF 410
Large selection of JD 2, 3, 4 & 6 row corn heads
JD 6600 diesel, rotary screen
JD 6600 hydro, rotary screen
JD 4420, like new
JD 3300 diesel, sharp
JD 435N corn head
JD 435W corn head

USED PLANTERS

JD 494A
JD 7000 4 row Dry fertilizer
JD 7000 6 row conservation, liquid
JD 7000 4 row liquid, like new

Used Moore no-till grain drill

USED HARVESTERS

Fox Max II w/3 row head, cab & air
Fox 2 row snapper head
Fox Custom 90
NH 718, sharp
NH 3 pt. hitch chopper w/1 row head
Field Queen 3 row wide corn head

Gehl flail head, excellent condition

HAY EQUIPMENT

NH 472 haybine
Gehl 1090 haybine
Gehl 1500 Round baler
New NH 315 Baler
NH 276 baler, excellent
NH 311 baler, like new
New JD 327 Baler
JD 346 baler, excellent
NH 315 wire baler, nice
NH 273 w/thrower
M-C 7' rotary sythe, used on 100 acres
Large selection of used rakes
NH 1010 Stacker Bale Wagon
NH 1032 Stacker Bale Wagon

MISCELLANEOUS

1974 Chevy truck w/16' grain body & hoist
JD 58 loader
Int. 510 grain drill
Large selection of smaller discs
NI 2 row narrow, 12 roll bed
NI 323 1 row picker
NI 2 row wide, 12 roll, $3,000
Kewanee hydraulic fold 18' disc
Kewanee hydraulic fold 18' roller harrow
Big V snow plow 12' wide
1979 Int. S-1954 w/DT 466 diesel engine, cab & chassis.

D & R EQUIPMENT INC.
Ringoes, New Jersey (201) 782-5082

New! From **Vicon** And

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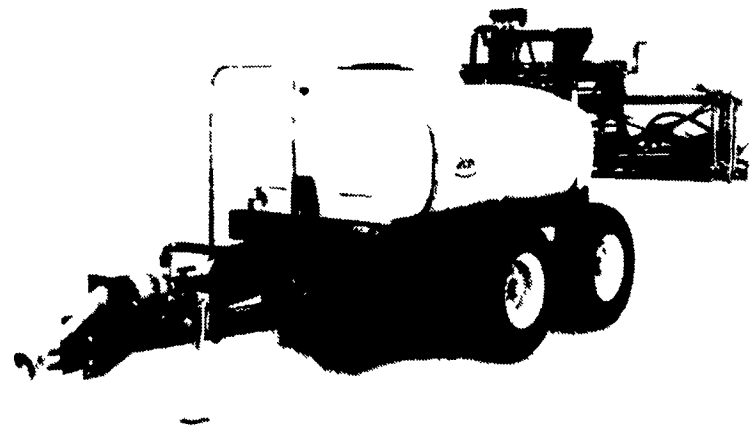

Complete line of pull type, truck mount and 3 pt hitch sprayers, featuring fixed, two- or four-point automatic stabilizing booms unique only to Vicon!

A wide range of pumping systems including ground drive, are available for almost any job — both on and off the farm

Pull type sprayers from 365 to 785 gallons 3 pt capacities from 53 to 230 gallons custom built to your individual needs!

Fixed booms from 21 to 31 feet, automatic stabilizing booms from 35 to 62 feet all utilizing Vicon's non-drip diaphram check nozzle bodies Single dual and quad bodies available on all size booms for quick easy change from floods to fan to cones to blanks depending on applications
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Chambersburg, PA 17201

USED JOHN DEERE

JD 4440 SG, PS
JD 4240, PS, 4 Post, Returned off of Lease
JD 4230 QR
JD 2640
JD 3010 Tractor
JD 2510
JD 2030 w/Loader
JD 300 Husker w/2 Heads
JD 6RN 7000 Planter w/Fill Auger & No-till
JD 6RN 7000 Planter w/Liq. Fert & No-till
JD 2RN & 2 RW C.H
JD 1209 Mower Conditioner
JD 14T Baler
JD 336 Baler
JD Transport Disc
JD 216 Fg. Wagon
JD 66 Blower
JD Drill

USED NEW HOLLAND

NH Super 68 Baler w/Thrower
NH 273 Baler w/Thrower
NH 2R Snapper Head for Fg. Harv.
NH 23 & 26 Blower
NH 329 & 518 Spreaders
NH 890 w/3RN & Pickup
NH 880 w/2RN
NH 1469 SP Haybine
NH 1495 Gas SP Haybine
NH 1495 Dsl SP Haybine
(2) NH 489 Haybines
NH 495 Haybine

THIS WEEK'S SPECIAL
JD 2940 w/MFWD & 260 Loader
Price Reduced

USED TRACTORS

MF 175

OTHER USED ITEMS

Case 1845 Dsl. Skid Loader
Gehl 1600 Round Baler
Ford 4B Reset Plow
Ford 3B Trip Back Plow
NI 208, 213 & 214 Manure Spreaders
White 5400 6RN w/no-till
IH 800 Cyclo 4R No-till Planter
IH 440 Baler w/Thrower
Fox 3000 Harvester
Fox 6½' PU Head
NH 450 7' Mower
Dion Forage Wagon
NI 4R Double Frame No-till Corn Planter
Field Sprayers: 500 gal Century; 200 gal.; 150 gal.
Gehl 2500 Skid Loader
Gehl Pivot Tongue Mower Conditioner
Hesston 1014 & 1090 Mower Conditioners

NEW JOHN DEERE EQUIP.

Tractors:
4250 SG, PS
3150 MFWD, SG
2750
2550
Compact Utility Tractors: 650, 750, 755, 855, 1050
Combine: 4425 w/Heads
Balers: 327, 337, 347, 330, 430
Forage Harvesters:
5730 w/Iron Guard
3950 w/Iron Guard
3950
Spreader: 780
Forage Wagon: 716A

NEW NEW HOLLAND EQUIP.

Balers: 311, 326, 853
Blowers: 28
Haybines: 411, 489, 499
Forage Harvester: 790
Spreaders: 302, 520, 680, 514
Skid Loader: 455

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JOHN DEERE NEW HOLLAND bobcat

FOR SALE

Tractors

IH 1086, 1066, 966, 856, 806, 766, 706, 656, 560, 560 w/loader, 460, 400, M, MD; JD 4030, 4020 FC, 3010, 730; Ford 801 & 8N; Oliver 1650, 1600, 1550; MF 135, 20 w/fork lift; AC 170 w/loader, forklift; PD9 IH crawler loader; plows 2 through 6 bottom and other types of farm eq.

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Case 310 Dsl. Track Loader

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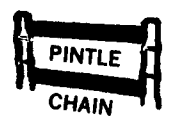
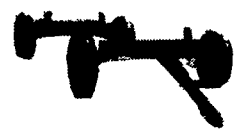


Forage Box Conv. Chain

New Holland
#8 ..... $242.50
Gehl 960 ..... $232.50
Other Makes Available
Call For Prices



WAGON GEARS

8 Ton Gear $440
10 Ton Gear $590
12 Ton Tandem .. $895
W15"x8" Rims, 5' Tongue
5"-7" Adj. Tongue Add $30

T-Bar Det. Chain
T-67 ..... $.58
T-67 Att $1.15
Steel Detachable Conveyor Chain

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USED EQUIPMENT

- 16 H.P. JD Garden Tractor w/Mower **$1,495**
- B10 AC Garden Tractor w/Mower **$595**
- 8 H.P. Jacobsen Demo Riding Tractor w/Mower **$1,495**
- Mighty Mac Chipper Shredder **$395**
- Used Lawn Mowers & Chain Saws

NEW EQUIPMENT SPECIAL

BCS Rear Tine Tillers- Easily convert to accept other attachments.

Reduced Prices In Effect

GUARANTEED QUALITY TRACTORS

JD 4840, Cab, Duals, 1983	$23,000
JD 4640, Cab, Duals, QR	$20,000
JD 4240, 4 WD, Cab, QR, Nice	$18,500
JD 4240 w/Cab, 4WDr, QR	$16,200
JD 2350 Dsl, new,	$13,000
JD 4230, 4 Post, QR	$8,000
JD 2120 w/145 ldr., nice	$7,200
JD 4520 SR, 2900 Hrs.	$6,800
JD 4020 Dsl., WF, Sharp	$5,500
MF 235 Dsl., 1200 Hrs.	$5,000
JD 2510 Dsl. Tractor, NF, Nice	$3,000
JD 148 Loader w/Valve.	$2,250
JD WFE for 3020 & 4020 SOLD	$1,000
JD 60, Fair Cond.	$950
JD 830 SP Windrower	$875
JD Cab For 4020 or 3020 SOLD	$850
JD 13 Dis. Grain Drill, Nice	$650
Farmall M Tractor	$600
JD Weights.	Half Price

Zimmerman Elevators & Wagon Gears
Farmco Metal Feeders & Bale Bodies
Steel Gates & Farmer Boy Bins
Brand New Extension For NH Chuck Wagon, Wooden Sides & Metal Roof $350
Complete New Snapper Head Adapting Kit for JD Harvester .. $250
New Hyd. Endgate For NH Sprdr. . $150

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TRIPLE H EQUIPMENT

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Vermeer

(2) 605 J Auto Weave Balers (New)
(1) 605 E Baler (Used)
(1) 605 D Baler (Used)
(2) 107 No-Til Drills (New)
(1) R8A Single Rake, Hydraulic
Vermeer 504 Super G, Heavy Duty

NEW VICON EQUIPMENT

(2) KM 321 Mower Conditioners, 10' 6"
(1) KM 281 Mower Conditioner, 9' 5"
(3) KM 241 Mower Conditioners, 7'10"
(1) OM 281 Mower Conditioner
(1) OM 241 Mower Conditioner
(2) RC 330 Tedder Rakes
(1) RS 310 Tedder
(1) RS 510 Tedder, 3 Pt. Hitch
(1) RS 610 Pull Type Tedder
(3) TS 1002 Seeder Spreaders
(3) LS 200M Sprayer, 21' Booms
(4) LS 400M Sprayer, 28' Booms
(1) LS 870M Sprayer
(3) LS 1410T Sprayer
(3) LS 1910T Sprayer
(1) LS 1410T Sprayer, Truck Mount

NEW H&S EQUIPMENT

(1) Super 7+4 Forage Box, Tandem Axles
(1) 8x18 Self Unload Bale Rack

USED EQUIPMENT

AC Forage Box
Self Propelled Solo Mist Blower, 25 Gallon

Special — New A.C. 40 H.P. Diesel Tractors w/Hydraulic & 3 Pt. Hitch **$7,800** Ea.

TRACTORS

AC 7030	AC 7010D	AC XT190D	IH 806
AC 7060	AC 200	AC 180D	JD 2010
AC 7040D	AC 210	AC D19D	MF 65G
AC 7045D	Oliver Super 77	AC D14	Case 1490
AC 7050D	AC 7000D	AC 5050D	JD 450 Crawler
AC 7020D		AC 5040D	Oliver 1650D

Used Hay Wagons | **New Field Cultivators** Model 1200, 10½ to 16½ Ft From $1,100 to $2,500 | **Used Gehl Mower Conditioner**

USED COMBINES (LIKE NEW)
A C Models G-C-N-L-F
These Combines are in Excellent Condition

NI 708 UNI-SYSTEM, HYDRO DRIVE w/717 COMBINE, CORNHEAD & GRAINHEAD

Eckroth Bros. Farm Equipment

case IH

RD 2 Box 24A, New Ringgold, PA 17960
717-943-2131
7:30-5:30 Mon.-Fri. 7:30-4:00 Sat.

USED EQUIPMENT

USED TRACTORS

MM G-900
JD A w/cultivator
JD Model B w/Cultivators
Farmall 656 Hydro
Case 1270
Ford 9N
IH 444, Gas
IH 684, Nice
IH 1066 w/Cab

USED COMBINES

Int. 1440 Combine
Int. 715 Diesel w/4 row narrow head, nice
MF 750 w/grain head
Int. 715, late model

USED EQUIPMENT

Int. 710 5 F Auto. Reset Plow
Int. 720 5F Plow w/On Land Hitch
Int. 720 6F Plow
Int. #56 Blower
Int. 440 Baler w/Thrower
900 Badger Blower
IH 510 16x7 Comb. Grain Drill
13' 3 Pt. Chisel Plow
JD 214 Forage Box

NEW GEHL EQUIPMENT

960 Forage Box w/roof
1540 Forage Blower

GRUMELLI FARM SERVICE

bobcat

Quarryville, Pa.
717-786-7318

DEUTZ ALLIS

1500-gal. Tank Will Load in Approx. 1½ Min.

Check These Outstanding Features on the SLURRY BUGGY

A liquid manure spreader that loads and unloads and has no chains, bearings, fans, augers, or moving parts that touch manure.

- Tanks are made of 5/16 thick metal
- Large air cooled vacuum pump
- Pump has not only a primary trap but also a large secondary moisture trap
- Pump has an air precleaner
- A 6 inch hydraulic operated brass valve for unloading
- Has 3 different manure spreading patterns
- Tank has a float level indicator and sight glass
- A 20 inch rear manhole for easy access to tank
- Priced at $5 625

Optional Features:
Heavy Duty tool bar with tooth spring loaded injection
6 inch side valve large flotation tires

Farmers rebuild your tanker with one of our new pumps (192 cfm @ 10 HG)
$1,275

We have 6" and 8" Tapered brass valves for your Liquid Manure Handling Needs

SLURRY BUGGY EQUIPMENT

R.D. 2, Box 148 Ephrata, Pa. 17522
(717) 859-3869

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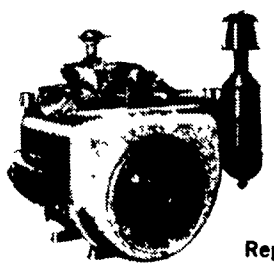


VH4D
Replacement Engines

Special Prices Starting At **$1,775**

BEILER ENGINE SERVICE

280 PENNSY ROAD
NEW PROVIDENCE
PA 17560

After 8 Years Of Servicing Primarily Wisconsin Engines, We Have Decided To Become An Authorized Wisconsin Service And Warrantee Center.

As An Introductory Offer We Will Give:

- 15% Discount On All Wisconsin Parts Sold Over The Counter
- Free Pickup And Delivery In Lancaster Co On Engines Under 70 HP If Scheduled Before Jan 15 1987
- Plus 10% Off On Repair Bills

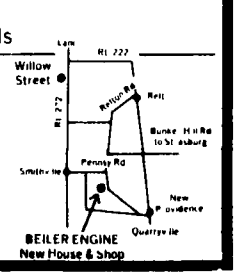
Also featuring For Farmers, Contractors, & Homeowners Our Winter Discount Program

10% Discount On Parts And Labor On Engines Scheduled for Repair Before Feb. 28, 1987

Get Your Engines In Shape Now For Spring We Can Repair, Overhaul Or Rebuild Your Engine Or Tractor We Stock Parts For Lambardine Diesels Wisconsin Kohler Kawaski, And Briggs & Stratton Engines

Call 717-786-7943
Between 7:30-8:00 A.M.
To Schedule Pick-Up

LOMBARDINI — Kawasaki
SALES • SERVICE • ENGINE DISTRIBUTOR



1 FARM EQUIPMENT

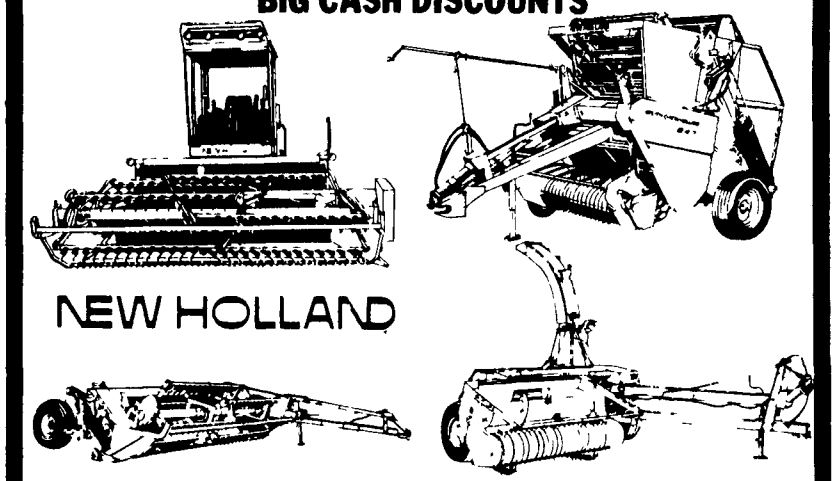
DEPENDABLE MOTOR CO.

East Main St., Honey Brook, Pa. 215-273-3131-273-3737

NEW EQUIPMENT SPECIALS

NH #320 w/#70 Thrower	Call
NH 489 Haybine	Call
NH 499 Haybine	Call
NH #770W Pickup Head	$1,925
NH 234 Wagon w/adj. Tongue, 13.50x15 Tires	$895

FREE FINANCE ON NEW HOLLAND HAY EQUIPMENT UNTIL JUNE 1, 1987
FORAGE EQUIPMENT SEPT. 1, 1987
or
BIG CASH DISCOUNTS



NEW HOLLAND

CHECK OUR STOCK — CALL TODAY

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Willow Street, PA 17584
717-464-2874

Just In For Parts

1 Set of aftermarket splitting stands for tractor repair, similar to IH factory setup.
IH 450, excellent motor
Wide Fronts Available For Most IH Tractors

USED TRACTORS

1985 Case 1194, 100 Hours, Tractor is like new.
Farmall 856 Diesel, Wide Front, 3 Pt rebuilt TA, good tractor, price reduced.
Farmall 966, 1975 Model, Diff. Lock and Clutch Assist, Cab and Air, Good Solid Tractor.
1978 Deutz 100-06, 2860 original hours, cab & air, duals and weights. Very nice tractor.

Delivery Available Anywhere

Quality Used Parts

We buy and sell used parts and parts tractors. We have a good selection of quality used parts at competitive prices. Please have part no. when calling, if possible.

SMITH'S IMPLEMENTS, INC.

Rt. 16 West of Mercersburg, PA
717-328-2244
717-328-2226

JOHN DEERE

USED EQUIPMENT

JD 4050 Tractor w/Power Shift, Cab, MFWD, Low Hrs.
JD 54 Spreader w/Top Beater, good cond.
MF 65 Tractor, Diesel, Very Clean
Case 1570 Tractor, very good condition Priced below Dealer's Cost
MF 410 Combine w/4 RW Head
JD 4400 Combine, Dsl. Engine w/Both Heads
Papec Harvester w/PU Head, 2R C.H., 2 R Snapper Head
JD 7000, 6R Conservation, Loaded, Dry Fertilizer
JD 7000, 4R Planter w/Frame Mtd. Coulters
JD 7000 4 RN Corn Planter
JD 1240, 4R Planter, $750
JD 494A Planter, $500
IH 400 Cyclo 6R Planter w/Liq. Fert., Insect. Attach., Hyd. Markers, Monitor $3,000
IH 400 Cyclo 6R Planter w/Dry Fert., Insect. Attach., Hyd. Markers, Monitor, Hydraulic Driven, $3,000
Case 140 spreader, top beater, good cond.
JD 3B Hydraulic Reset Plow
JD AW Disk
JD 520 Sprayer
JD 213 Grain Head

Ask about finance program on new & used equipment.

Check On Waiver Of Finance Available On All Our Machinery

ONLY 4 DAYS LEFT
SALE ENDS DECEMBER 31st

New New Idea Equipment
SPECIAL

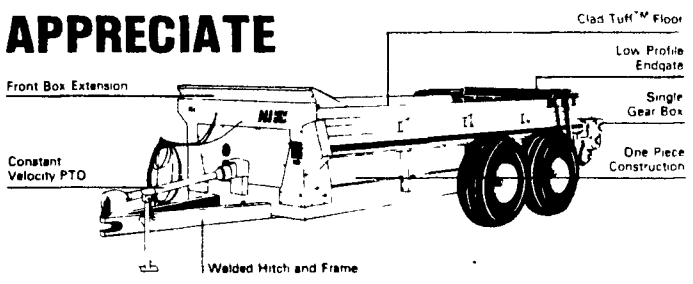
Planter, 6 row narrow, double frame, no till coulters, dry fertilizer, granular insecticides

List	$17,348
SALE	$13,800
CASH DISCOUNT	-$500
Cash Price	$13,300
Liquid Fertilizer ILO Dry	-$500
Cash Price	$12,800

Other New Idea Equipment

360 SERIES SPREADERS

FEATURES YOU'LL APPRECIATE



Model 360 250 Bu. SOLD	$3,247
Model 361 180 Bu. w/Front Ext., Hyd. Gate, Upper Beater, Used Tires SOLD	$4,527
Model 362 220 Bu. w/Front Ext., Hyd. Gate, Upper Beater, Regrooved Tires SOLD	$5,377
Model 363 320 Bu. w/Front Ext., Hyd. Gate w/2 Cyls., Upper Beater, Regrooved Tires	$7,400
Model 364 390 Bu. w/Front Ext., Hyd. Gate w/2 Cyls., Upper Beater, Regrooved Tires	$8,475

10% OFF On Spreader Prices Listed
Subject to Availability. Offer Ends 12/31/86

Eligible For 7.9% Financing Or Waiver Until 5/1/87

BIGGS INCORPORATED

34 Buckley Ave.
Rising Sun, Md.
301/658-5531

NEW IDEA NEW IDEA

FARNSWORTH FARM SUPPLIES, INC.

103 Cemetery Street, Hughesville, PA 17737
PH: (717) 584-2106

OPEN HOUSE SPECIALS

December 29, 30, 31, 1986 - 8 a.m. to 5 p.m.
• ALL ITEMS IN STOCK • CASH AND CARRY (F.O.B. Hughesville, PA)
Refreshments & Door Prizes

NEW MACHINERY

N.H. #316 Baler w/#70 Thrower	$8,300
N.H. #311 Baler w/70 Thrower	$7,300
N.H. #472 Haybine	$4,500
N.H. #355 Grinder-Mixer	$5,500
Brillion 13' Cultipacker	$1,300
White #5100 6 Row No-Till Corn Planter	$9,000
White #264 Disc 12'	$4,000
White #435 10' Conserv. Chisel Plow	$4,500
White #273 17'10" Disc	$5,000
8 Ton Running Gear w/11Lx15 Tires	$795
White FR11 Front Runner	$3,000
F18 Front Runner	$4,100
LT 140 Tractor w/Mower	$1,550
LT 120 Tractor w/Mower	$1,350
LT 112 Tractor w/Mower	$1,050
LT 80 Tractor w/Mower (Rear Exhaust)	$1,000
R 86 Tractor w/Rear Discharge	$900
38" Lawn Sweeper	$285
RotoBoss #300 Tiller	$250

15% Off ALL New Holland & White Parts and IN STORE ITEMS (Not already on Sale)

FERTILIZER

5-10-10 w/Sulfate	$105 per ton
10-10-10 w/Sulfate	$115 per ton
10-20-20 w/Sulfate	$145 per ton
46% Urea	$135 per ton
10-10-10 (Ammon.)	$140 per ton
10-20-20 (Ammon.)	$184 per ton

SEED

WL 316 Alfalfa	Ask
WL 320 Alfalfa	Ask
Saranac AR Alfalfa	$93 50 lbs.
Arlington Red Clover	$85 50 lbs.
Medium Red Clover	$72 50 lbs.
Common Timothy	$30 50 lbs.
Climax Timothy	$35 50 lbs.
Certified Seed Oats	$3.75 per bu.

CHEMICALS

Paraquat	$40.00 per gal.
CIBA-Geigy Atrazine 4L	$7.50 per gal.
Lasso	$18.00 per gal.
Lorox	$5.00 per lb.
Banvel	$50.00 per gal. (in 2½ gal. jugs)
Counter	$1.30 per lb.
CIBA-Geigy Atrazine 80W	$1.55 per lb.
Princep 4L	$10.00 per gal.
Bicep 4L	$16.00 per gal.
Dual	$45.00 per gal.
Isotox	$6.00 per can
2 4-D	$7.25 per gal.

MISCELLANEOUS

Bulldozer Fencer	$45
Lion 3½x8 Cylinder	$45
Lion 4x8 Cylinder	$55
Barbed Wire	$28
4 Tine Manure Fork	$16
5 Tine Manure Fork	$17
#14 Aluminum Shovel 27" Handle	$19
#14 Aluminum Shovel 36" Handle	$21
#14 Aluminum Shovel 40" Handle	$23
Clover Baler Twine	$14.50
N.H. Baler Twine	$15.50

"PA Sales Tax will be charged on taxable items"

USED EQUIPMENT

*** 8.8% Financing or Waiver of Interest**
Tractors 6/1/87 — Combines 11/1/87

TRACTORS

4534 IH 986
4646 IH 560
4722 IH 4568
6490 AC 7000
6482 IH 1586
4783 IH 886
4556 Farmall H
6541 Case 630
6536 IH 5488

COMBINES

*6443 AC L2
*3058 JD 7700 w/Chopper
*6512 AC A
*3784 IH 1440
*3882 IH 915
*3983 IH 915

TILLAGE

6403 JD 210 Disc 13'
4524 Ford 142 Plow 5x16
6103 Sunflower HB Chisel Plow 27'
3841 IH 540 Plow
3799 IH 370 Disc 13'
6491 IH 14 Subsoiler
4659 Krause 4133 Field Cultivator
6325 Krause 1924 Disc 20'
4099 Krause 1966 Disc 31'
5054 Krause 2143 Disc 42'
5457 Krause 2413 Disc 23'
4667 JD 12 Shank Chisel Plow
5561 JD 210 Disc 13'
6545 IH 140 Rollover Plow 4x16
5419 JD 22 Shank Chisel Plow
5534 Glencoe Soil Finisher 20'
4773 Glencoe 12 ft. Soil Finisher
3301 Wilrich Field Cultivator, 37'
4092 Miller 20' Offset Disc
4587 Brillion 16' Field Cultivator
6494 Brillion 21' Crowfoot Packer

MISCELLANEOUS

6547 JD 15' Shredder
4537 JD 400 Gal Sprayer
6531 IH 1190 Mower Conditioner 9'
6334 Gehl 1500 Round Baler
6516 IH 40 Shredder
5487 NH 280 Baler
3561 NH 495 Haybine
3837 NI 245 Manure Spreader
3900 John Blue 1000 Gal. Sprayer
4613 IH 60 Shredder
4887 Rhino Flex 15 Mower
6304 Lilliston 7-6 Mower
4965 Lilliston 7-6 Mower

GOOD SELECTION OF CORNHEADS AND PLATFORMS

HOOBER
HOOBER EQUIPMENT INC.
MIDDLETOWN, DE
NEW HOLLAND
(302) 378-9555
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NH 54A THROWER
Perfect, install & run, $700
301-745-9408
after 8 p.m.

FOR SALE
MF 175 MF 2745
MF 1105
MF 1155 w/cab & air
7 tooth soil saver
7 tooth Chisel Plow
Int. 3 bottom reset plow
White 4 bottom reset plow
NH 718 Harvester
JD 400 rotary hoe

L & M BURKHOLDER
Ephrata, PA
717-859-2960
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YANMAR

14 to 33 Horsepower
2 & 4 Wheel Drive

YANMAR
Tractors and Implements More than You Expect

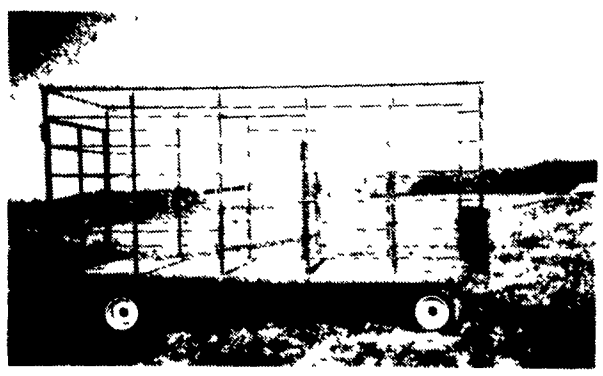
Diesel Tractors

Shift on the Go, Live PTO Yanmar tractors mean a world of operating ease Famous Yanmar Diesel power, 3-point hitch, clutchless on-the-go shifting Test drive a Yanmar

MARTIN HARDWARE & EQUIPMENT CO. INC.
Rt 501 1½ Miles South of Schaefferstown, PA
PHONE (717) 949-6817
Mon Wed, Sat 8 to 4 Tues Thurs, Fri 8 to 8

★ 10% DISCOUNT ★

On orders given before Jan. 1, 1987



A WAGON BUILT TO LAST - ASK OUR CUSTOMERS

* All steel frame - Pipe side racks
* Sides easily removed - Side gates open under pressure
* Treated lumber flooring - screwed down
* Formed steel side rails - steel bumper
* Rear gate swings 270° either way
* Standard sizes: 8x18, 9x20

Diller's Manufacturing

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St. Thomas, PA 17252
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RES. 717-369-3019
Specializing in Hay Handling Equipment

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NEW HOLLAND

KHD
DEUTZ ALLIS

BRANCH
Rts 309 & 100
New Tripoli, PA
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Sat 7 30 A M -12 30 P M

★ 3 LOCATIONS ★
Trumbauersville to Finland Rd
Quakertown, PA
(215)536 1935 or 536-7523
Mon Fri 7 30 A M 9 00 P M
Sat 7 30 A M 4 00 P M

BRANCH
Lobachsville, Oley, PA
(215)987-6221 or 987-6257
Mon Fri 7 30 A M 5 00 P M
Sat 7 30 A M 12 30 P M

SPECIAL YEAR END SALE
UNTIL DECEMBER 31, 1986
TRACTORS, COMBINES, IMPLEMENTS

Many units cut below auction prices
"Don't stand out in the cold. Come into our warm shop and name your terms!"

TRACTORS

JD 4020 D w/WFE
JD 4010 D w/WFE
JD 3010 D
JD 3010 repainted
JD 720
JD 60
Farmall 460 D
Farmall 400 G & D
Farmall C
Ferguson 50 w/loader
Oliver 1855 D, new rubber
Oliver 1550
Oliver 500 D
AC 7080 D w/cab, air/heat, excell!
AC 7060 D PS w/cab, air/heat, only 1400 hrs.!
AC 7050 D w/cab, air/heat
AC 7030 D w/cab, air/heat
AC 7000 D w/cab, air/heat
AC 6060 D
AC 6140 D w/front end loader
AC 190 D, excellent!
AC 185 D, excellent!
AC 180 D
(2) AC D19 D
AC D19
AC D17 D
AC WD w/loader
AC WC
AC CA

MANURE SPREADERS

NH 676 w/hyd endgate, 320 BU
NH 675 w/endgate, 300 BU
NH 518, 220 BU.
NI 214, Liq. pan, 210 BU A-1!
NI 218, w/hyd. Endgate, Tandem, 300 bu
(3) NI 213, 177 BU
IH 550 w/endgate, 200 BU

COMBINES

JD 3300 Cab w/Air & Heat, 10' Grain Head, 238 Corn Head, excellent
JD 45 w/both heads
AC Gleaner N5 D w/cab, 15' grain & 630 corn heads
1978 AC Gleaner M2 D w/cab, air, 13' grain & 430 corn heads.
AC Gleaner M D w/hydro, 13' grain & 438 corn heads.
(1977) AC Gleaner F2 D w/13' grain & 438 corn heads
AC Gleaner E w/cab, 10' grain & 238 corn heads.
AC Gleaner F w/cab & both heads.
AC Gleaner CII w/4-row corn head.
IH 315 w/cab, grain & corn heads.
MF 750 D w/cab, air/heat, & 630 corn head
NH 975 Gas w/cab & both heads
NH 890 R2 Snapper corn head
NI Uni-System 701 w/710 power unit, 10' grain & 2-row wide corn heads
NI Uni-System 702 w/717 combine, 4-row corn head
NI 702 Power Unit w/727 Husking Bed & 724, 3RW Corn Head, excellent
NI 323, 1R Picker, like new
NI 323, 1R Picker
JD 346 Baler Wire Tie, w/Kicker & Excellent

TILLAGE

Oliver 6B Plow, semi-mount
Ford 3B Plow, 3 pt
Brillion 961 8' Seeder, pull type
Kewanee 10' Cultimulcher
IH 11 Shank 3 pt Field Cultivator
JD 16' Cultimulcher
Leinbach 6' Disc, 3 pt
IH 9' Disc, pull type
JD 1000 12' Disc w/Trans Harrow
JD 9' Transport Disc
JD 17 Disc Grain Drill

MISC

Behlen Grain Dryer w/engine
MF 246 Loader w/80" Bucket
Uebler 810 Silage Cart, 35 BU., only 2 yrs.
Weaverline 224 Silage Cart, 30 BU., w/automatic charger, rebuilt!

CHOPPERS

NH 880 w/2-row corn & pick up heads
NH 770 w/2-row corn & pick up heads
(2) NH 717 w/2-row corn & pick up heads
AC 720 w/2-row corn & pick up heads
IH w/2-row corn & pick up heads
JD 35 w/2-row corn & pick up heads
NH 27 Blower
AC 63 Blower
Fox Brady 1440 Shredder

* * * "WE SERVICE WHAT WE SELL WITH QUALITY PARTS!" * * *

WISCONSIN HEAVY DUTY ENGINE YEAR-END SALE

- V456D 65.9 HP $2900
- W2 1230 25 HP $1200
- AENL w/Clutch Reduction .. $995

WISCONSIN ROBIN

- W1-145 3.5 HP $125
- EY 183W 4.6 HP $185
- EY 25W 6.5 HP $210
- EY 27W 7.5 HP $250
- EY 27 W Electric Start $375

KAWASAKI ENGINES IN STOCK
45% - 50% OFF LIST

- Kohler K301 12 HP $485
- Kohler K241 Gas $350

HATZ DIESEL SPECIALS

- 8 HP w/Clutch $985
- 10 HP Crank-Start $960
- 10 HP w/Clutch $1030

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TRACTORS
White 2-180
AC D 14 w/Loader
AC 190XT
AC 7000, PS, ROPS
(2) AC 7020
AC 7040
AC 7060
AC 7080
(2) AC 5040
(2) AC 5050
AC 210
AC 5020
JD 2840
JD 2240
Kubota 355 w/Loader
Kubota B7100 HSE w/RC6000 Mower
IH 986
AC 6140

MOWER CONDITIONERS
NH 1495 D w/12' Head
NH 489
NH 477
NH 1495 SP, 12' Hyd. Gas
NH 469
NI 279 Cutditioner

PLANTERS
AC 600, 4R, Air
(2) AC 600 4R no-till
AC 600 6R no-till
AC 333, 6RN

FORAGE EQUIPMENT
NH 1895 w/4RN & WPU
NH 890 W
NH 1890 Hydro C/A w/3RN & PU Head, 550 hrs.
(4) NH 822 Corn Head
NH 770 w/WPU
NH 28 Blower
NH 30 Blower
JD 5400, 3RN & WPU
Field Queen w/3RN, 2RW & WPU
Field Queen Standard w/3R Head
NH 900, 2R 30" Snapper Head

MISCELLANEOUS
NH 307 Spreader
Hub 48' Elevator
Gilson Snow Blower
NH 358 Grinder Mixer
NI 325 Corn Picker
AC 2500 Disk
IH Spreader
JD 220 Elevator
Crust Buster 13' Posi-Depth Soybean Drill

LOADERS & FORKLIFTS
(2) L35 Skid

BALERS
(2) NH 273 w/54A Thrower
NH 846
NH 316 w/70 Thrower

MOWERS
NH 451
NH 462 Disc
NH 463 Disc
Triumph Sickle Bar

WAGONS
Richardson Side Dump

COMBINES
AC C II w/2 Heads
AC FKS2 w/430 Corn Head and 313 Flex Head
AC G440 Corn Head
AC 430 Head
AC 6RN Head for M2 Combine

LAWN & GARDEN
AC 5020
AC 716 w/Mower
(2) AC 712H w/42" Mower
AC 616 w/5' Mower & Dozer Blade
AC 611 w/Mower
AC 608
AC 312 w/Cultivator, Plow, Blade & Mower
Woods Front Runner
Cub Cadet 782
(2) Gravely w/Mower
JD 112
Kubota B5100E
MF 14HP w/Mower

RAKES
NH 256 (2) NH 260
NH 258 V-Tandem Hitch

Call Ed Greenleaf, Sam Siple
Dennis Ellsworth, Chris Wiggins
Service Call Terry Greenleaf
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Hours Mon thru Fri 8 to 6 Sat 8 to 3
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A Fresh Team For Today's Farmer!

NEW TRACTORS
IH 244 AWD
Case-IH 385, AWD
Case-IH 385, 35 hp
Case-IH 685, 61 hp
Case-IH 885, 72 hp
Case-IH 2294 MFD w/cab
Case-IH 2096 w/ROPS

NEW TILLAGE EQUIPMENT
Case-IH 4500 VS Cultivator, 12'
Case-IH 475 12' Disc Harrow
Case-IH 496, 19' Flex Disk
IH 5507 3 pt Chisel Plow
IH 5509 3 pt Chisel Plow
IH 6511 Con-ser Til

NEW PLANTING & SEEDING EQUIPMENT
IH 800 6R Air Planter
IH 800 4R Air Planter
IH 800 4R Plate Planter
Case-IH 5100 16x7 Comb Drill
Case-IH 5100 18x7 Plain Drill
Case-IH 5100 20x6 Plain Drill

NEW MATERIAL HANDLING
Case-IH 550 Spreader
IH 560 Spreader
IH 2250 Loader
IH 2200 Loader
Case-IH 2255 Loader

NEW HAY & FORAGE EQUIPMENT
IH 86 Hay Rake, hyd
IH 1190 Mower Cond 9'

USED TRACTORS & EQUIPMENT

IH 1086 w/Cab	$17,500	IH 990 Mower Cond. 9'	$1500
AC 1-600 Tractor w/loader	$5250	IH 1190 Mower Cond 9' (exc.)	$6150
MH 44 Tractor	$750	IH 37 12' Disc Harrow	$850
IH F-Cub w/blade & mwr.	$2350	Pitts 12' disc harrow	$1450
IH 46 Baler w/Thro	$1250	IH 531 3F 14" 3 pt Plow	$475
IH 830 Forage Harv w/hds	$5350	IH 412 4F 14" semi-mt. plow	$350
IH 720 Forage Harv. w/hds	$4350	IH 540 4F 16" Plow	$950
NH 479 Haybine.	$1350	IH 550 5F 14" plow	$750
IH 56 Forage Blower, as is	$300	IH 535 3F 16" Plow	$750
AC Forage Blower	$350	IH 710 5F 16" Plow w/Cyl	$2250
IH MF SD Drill	$350	Ont 13x7 SD drill	$650
Oliver 13x7 SD Drill	$450	IH 56 4R Planter	$950
NI 7' Mower	$250		

MIFFLINBURG FARM SUPPLY, INC.

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Route 45 East, Mifflinburg, PA 17844
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Evenings - 717-524-2924 - Frank Saner

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PARTS DISMANTLED CLEANED & READY FOR SHIPMENT
WE SHIP UPS, TRUCK, BUS
FOR THOSE HARD-TO-FIND & DISCONTINUED ITEMS
Call the Parts Specialists: 219-342-2955

FOR SALE

- Utility 1978 Refer Trailer for Storage Only
- Vertical Blender For Feed Mill System, 1 Ton
- 18 Ft. Morgan Van Box
- Air Compressor, 3 Phase, 3 HP, 80 Gal. Tank
- 1978 Plymouth Voyager, PB, PS, Air, Cruise Co[SOLD] Tinted Glass $3,800 or Best Offer

215-944-0402

USED TRACTORS

AC 7040, cab & air, power shift; 7030, cab & air; 6140 4WD w/loader; 6080; 6060 4WD; 5050 4WD w/loader; 5040 w/full hyd. front end loader; 190XT; 190XT w/cab; 175 diesel; 170 Gas; 160; D17; D15; G w/hydr. & cultivator; B; WD 45; 200 D w/Cab.

JD 3010 diesel; 2240; Used cab for JD 30 & 40 series tractors, also 5010.

IHC 856D w/Cab; 544; 424 w/hydr. dump loader; 230; 140; 100; Super A, with equipment; Cub; Cub low boy w/5' Woods rotary mower; Cub low boy w/Mott Hammer knive mower; Cub w/cultivator; Farmall 460 Gas, Farmall M; Farmall H w/mower & snow plow; 674 gas, low hrs.

FORD: 7600 diesel, high clearance; 6600 w/quick tach front end loader; 4100 Diesel w/loader; 4000; 3550 w/loader; 600; and 8 N's; 2000 w/Belly lawn mower; 4000 w/front end loader.

KUBOTA: 7500 4WD demonstrator; 6000 4WD w/sickle bar mower; L 225 w/cab.

MF: 285; 265 diesel; 180; 175 diesel; 165; 65; 50 diesel; 40; Ferguson 30 w/loader; 40; Ferguson TO35 w/loader.

SNOW EQUIPMENT

75 Assorted snow plows; Valk 11' Snow Plow; Gledhill 10' Snow Plow; 3 pt., fast hitch, & snap coupler rear scraper blades; new tire chains - car, truck & trailer; some used tractor tire chain; new & used 3 pt. snow blowers & walk behind snow blowers; Vanmar 3 pt. snow blower.

INDUSTRIAL

TRACTOR LOADER BACKHOES - AC 715-B; JD 310-A; AC 715D; AC 655; CRAWLER LOADER - AC 655; AC H3 Crawler w/angle blade. TRACTORS WITH LOADER, 3 PT. HITCH & PTO - IHC 2444, MF 40, MF 2200. SKID STEER LOADER - NH 455, Kubota Dsl., low hours; Gehl 4500, like new, 300 hrs.; Bobcat 610 gas, Bobcat 611 Deutz diesel. LOG SKIDDER - (2) JD 440 series A; FORKLIFTS - JD 9300 backhoe. 1 ton paving roller. 1977 Ford F700 truck with dump body, very good. 1969 Chevy Dump Truck. 2 axle - 6 ton Tag-A-Long trailer. ARPS 3 pt. backhoe for small tractor. Mechanics Special, IHC 3414, tractor loader backhoe, low priced. IHC 560 Forklift; Case 350-B Dozer; Case 350-D Dozer & Case 350-D Dozer w/forklift; JD 350C dozer 6 way blade & winch; 1979 Louisville Ford low wheel base tandem & Cummins diesel; IHC F2010-A tandem long wheel base, needs engine work; 8' snow blower w/self contained engine; IH T6 Crawler, very good under carriage.

MANURE EQUIPMENT

Hedlund Martin 1254 Spreader; NI Tandem Spreader; Hedlund Martin 1257 Scavenger Spreader; IHC 550 Spreader.

Spreaders: NH 329, 512, NI 12, 3 beater, NI 245, 375 bu. mtd. on Ford truck; NI 244 & 245 tandem manure spreaders w/hyd. tailgates.

Clay vacuum honey wagon; injectors available, like new.

Hedlund Martin Vanguard 2400 gal. tandem spreader.

2100 gal. liquid spreader w/knife injector.

NI Basin Pump.

New Hedlund Martin liquid manure pumps & tanks in stock for immediate delivery.

Patz 3000 gallon liquid tanker

Better Bilt 1500 gallon liquid tanker

Better Bilt PTO liquid manure pump

Used tank type spreaders, 4 used PTO and ground drive conventional spreaders

Better Built 8' Manure Pit Pump, very good cond.

New Hawk 170 tank spreader at dealer cost, only 1 available.

Badger 3000 gal. tandem spreader w/injectors.

MISCELLANEOUS

AC 611 LTD w/Mower; Taylor 16 tooth trailer chisel plow; 4 NI 323 1R corn pickers, priced from $1995; 5 NI 324 & 325 2R wide or narrow row machine, with 12 row husking beds or sheller units. JD 2600 4-btm. spring reset plow, variable width; JD 8350 21 dbl. disc grain drill, like new, has small grain, fertilizer & grass seed compartment; Vicon 3 pt. hitch, power harrow, like new; NH 48' hay & grain elevator; New & used 3 pt. hitch snow blowers; Vermeer 30" tree spade, like new; Shaver 3 pt. post pounder; IHC 510 Grain Drill 13 double disc has grass seed & fertilizer like new, Shaver post pounder, 3 pt. hitch York rakes Servis 10 ft. 2 spindle trailer rotary mower, Bush Hog 5 & 6 ft. 3 pt. rotary mowers, Howard heavy duty 5 & 6 ft. 3 pt. roto-tillers, Small Davis backhoe for skid steer or 3 pt. mounting, IHC fast hitch carry all platform, Mott Hammer knife mower for Farmall Cub, 3 pt. hitch Mott Hammer knife mower, (3) Farmhand Corn Blurrs for high moisture corn, 20 misc. hydr. front end loaders for various models and make tractors - call for your needs, AC 100 HP D power unit with P.T.O. and clutch - choice of three. 12' Dump truck body; VanDale 14' silo unloader very good cond.; Steinhorst 400 gal. bulk milk tank; United Farm Tools- 1R corn picker, low acreage; Brillion 7 shank & Glencoe 5 shank soil savers, both like new.

NEW EQUIPMENT

Full line of Kubota tractors, loaders, mowers and tillers, low interest on all models. Deutz-Allis lawn and garden tractors. Deutz-Allis farm tractors from 40 to 110 horse power in stock. Blades, loaders, backhoes, trailers and carts; NI 360, 362, & 364 spreaders. One NI cornpicker, 2 row narrow head w/12 roll husking bed or sheller; Uebler 810-E, 808-E, 790 Feed Carts.

Now the distributor for Asplundh Wood Chippers in NE Penna. Parts, Service & Machines in Stock.

THIS WEEK'S SPECIAL

9 Ton Tag-Along Trailer w/20' Bed
$1,850.00

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SALES & SERVICE
Deutz-Allis, Kubota, Hesston, New Idea, CDS Industrial formerly AC light industrial

USED EQUIPMENT

TRACTORS:
IH Farmall 'C"
Farmall 200 w/Green Bean Mtd. Picker
Farmall 450 Diesel
Farmall Super C w/Fast Hitch & Cult.
Farmall 400 Gas, Tricycle
Farmall 806D, WF
Int F12 w/cult , $650 - Runs
IH 240 w/Fast Hitch
Cub Lo Boy w/60" Mower
IH 185 Cub Lo Boy w/Mower — Mechanic's Special $1,500
IH 340, Utility, WF, FH
IH 460 Utility Gas - Real Nice Cond!
IH 1566 w/Year-Round Cab, 30.5x32 Tires - $11,500
IH 656 Diesel - $4,850
Oliver 1800 Gas - Coming In
MF 135 gas, low-profile orchard tractor
JD 430T, 3 pt. Hitch w/Cult & Side Dresser

HAY & FORAGE:
Int 56 Blower, Rebuilt
IH 61 Forage Wagon w/140 Gear - $750
NH 33 Flail Chopper
NH No. 26 Blower
(2) NH No. 27 Blowers (Whirl-a-Feed)
Gehl FBB 88 Blower
Gehl 99 Hi-Throw Blower, nice!
550 IH Chopper (Parts)
1014 Hesston Mower Cond. — Make offer!
NH 69 Baler w/o Thrower
NH 268 Rake w/Jack
IH 27 Baler - Real Nice
IH 420 Baler w/o Thrower
IH 430 Baler w/Thrower- $1,500!
IH 440 Baler - Real Nice!
(2) IH No. Bale Throwers
IH Direct Cut Head For 15 or 16 Chopper
IH 781 Chopper w/2 Row Head - Like New
NI Stalk Shredder, 12'

OUTDOOR POWER EQUIP.- OVER 20 USED L&G TRACTORS IN STOCK AT ALL TIMES
Cub Cadet 149 w/42" Mower
Cub Cadet 108 w/Mower
Cub Cadet 106
Cub Cadet 105 w/mower
Cub Cadet 682 w/50" Mower
Cub Cadet 982 w/50" Mower-Rental Unit
JD 210 w/Mower, Nice Shape
AC Big 10 w/Mower
Gravely Model 424, 10 Hp. w/Mower
Yazoo 16 Hp w/48" Deck, Nice Shape
Yazoo For Parts

MATERIALS HANDLING:
Farmhand Loader for IH 74 or 84 Series Tractor
357 Hawk Bilt Tank Spreader, Tandem Axle- Coming In

IH PARTS COMBINES:
IH 315 Hydro & Plat
IH 315 Gear & Plat.
IH 403 Gear, 4R Wide Hd & 12 Ft. Plat
IH 227 Cornhead
IH 700 13' Platform

COMBINES: 8.8% Int. or Waiver Til 11/1/87
AC FKS Diesel 4-Row Narrow Cornhead, 13' Platform, Nice Shape! — No Reasonable Offer Refused
AC FKS Diesel w/4-Row Wide Cornhead & 13' Platform
IH 205, Cab, 10 Ft Platform, Real Nice - $4,800
IH 227 Cornhead, fits 315, 205 or 203
IH 843 4-Row-Narrow Cornhead — $3,250
IH 863 6-row Cornhead Real Nice!
MF 550 Hydro, Late Model, Grey Cab, 900 Hours, 1144 Hd. And 13 Ft Soybean Platform w/23" Tires
JD 45 w/Hume Reel, Good Shape
744 Wide Cornhead for 715
743 Narrow Cornhead for 815

MISCELLANEOUS:
SIMMS Cab & Roll Bar Enclosure for 574 Series Tractor — $650
ARPS 3 pt 78" Snowblower
Vicon 281 Mower Cond.- Extra Special Price! (New, Demo.)
Walsh 300 Gal. Trailing Sprayer
Howard Rotovator, 54", 3 pt. Hitch, Hvy. Duty - $1,050
Tricycle High Boy Sprayer, Set Up For Sweet Corn, with FMC High Pressure Pump - Needs Work, Make Offer

TILLAGE:
Brillion Vibra Tine Trailing Field Cult., 16 Ft., Like New
Pittsburg 11'6" Disk
JD KBA Disk, 9' — $750
JD BWA 12' Disk
JD 1710A 12' Trailing Mulch-Tiller, Like New — ~~$3,950~~ — Now $3,550!
IH 37, 35 In Various Sizes
Ford 3 pt. Hitch 3-Bot. Plow, 14", Category 2
IH 420 2 Bot. 14" 3 pt. Hitch Plow
IH 550 5-Bottom Semi Mtd. Plow
Int 360 20 ft Trailing Field Harrow
1-Bot Trailing Plow
Vicon 10' Power Harrow — Was ~~$2,500~~ — Now $950

PLANTERS:
IH Model 510 16x7 CO SD grain drill like new
(2) IH 56 4-Row Planters - Real Nice Cond
IH 400 4-Row Cyclo Planter
IH 2-Row Fast Hitch
IH 455 4-Row
IH 658 6-Row Narrow Dry Fert
4 & 6 Row Cyclos, Field Ready!
JD 1240 Plateless, Liq Fert., 30" Rows w/DEMCO Squeeze Pump — Nice!
JD Van Brunt 13x7
JD FBB 17x7 DD

Winter Specials!

JAMESWAY VENTILATION EQUIPMENT IN STOCK
Limited Availability **50% OFF**

Butler 115 Mix Box (Make Offer)	$6,450
Vicon 281,Mower Cond (Demo Make Offer)	$9,500
Trailblazer Foam Marker Kit (List $950	$ 785
Century Dye Marker Kits 2 Available At 10 Below Dealer Cost	$350 ea.

John Blue Saddle Tanks - 200 & 260 Gal Available In Stock
John Blue 300 Gallon Trailer Sprayer
John Blue 500 Gallon Trailer Sprayer

1-ONLY SPECIALS... 8.8% INT. or WAIVER TIL 11/1/87

IH 4623 Vibra Shank 23 Trailing Field Cult Demo Setup Weathered	$4,895
IH 4630 Vibra Shank 30 Trailing Field Cult Not Set Up	$5,895
IH 540 Spread SOLD Tires Weathered	$2,645
IH 144 Cultivator For IH 274 with Rear Section Not Set Up	$1,195
Case IH 1190 M SOLD nditioner 9 Ft Demo	$4,988

8.8% INTEREST or WAIVER TIL 11/1/87 Plus... $2,000 TO $10,000 CASH BACK ON NEW TRACTORS & COMBINES!

case ih

NEW EQUIPMENT

Int 200 Series Tractors In Stock — All Models Available!
Case 2294 — 4WD — Extra, Extra Special Price Rental Unit
Case IH 1896 — 2WD — 2 In Stock — 1 w/Cab & Air 1 w/4 Post Roll Bar
Case IH 2096 — 2WD & 4WD — Cab
Case IH 2294 — 2WD — Cab
Case IH 585 w/Shuttle Shift
IH 585 — 4WD — Demo
Case IH 685 Row Crop — ROPS
(2) Case IH 685 — Orchard Special — Demos
Case IH 385, Low Profile w/Turf Tires — ROPS
Case IH 1594 4 Wheel Drive, 2 Post ROPS w/Power Shift
Case IH 1394, 2 Wheel Drive 2 Post ROPS, Power Shift, Turf Tires
Case IH 1394, 4 Wheel Drive Cab Power Shift
Case 183 SOLD Loader — Gas
(2) Case 1845 C Skid Loaders
IH 183 Vibra Shank 4 Row Cult - Set Up — Extra Special Price
Straw Chopper For 1420 Combine — Make Offer!
Case IH 1660 Combine
1063 6 Row Cornhead 1043 Cornhead & 1020 15 ft Grain Platform
IH 560 Spreader
Case IH 415 13'2 Packer Mulcher
Case IH 415 10'1 Packer Mulcher
Case IH 145 4 Bot Rollover Plow
Case IH 145 3 Bot Rollover Plow
Case IH No 720 6 Bottom 18" On Land Plow
IH 181 Rotary Hoe
800 6-Row Air Planter — Demo
Case IH 20x6 Plain And Combination Drills
Case IH 18x7 Plain Drill
Case IH No 14 Sub Soiler Auto Reset

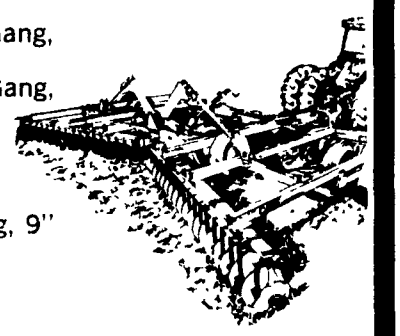
CASH BACK! $2,000 to $10,000 Cash Back On New Tractors & Combines

DISKS

Case IH 496 18x7 Cushion Gang, 7½" Spacing
Case IH 496 18x7 Regular Gang, 7½" Spacing

New Model — JUST IN...

Case IH 475 12', Cushion Gang, 9" Spacing



HAY EQUIPMENT SPECIALS

Will Sell Below Invoice Price!

Case IH 96 Hydraulic Rake
Case IH 1490 12 ft. Hydroswing
Case IH 445 Baler with Thrower - Demo
Case IH 3450 Big Round Baler

See Us For All Your Equipment Needs

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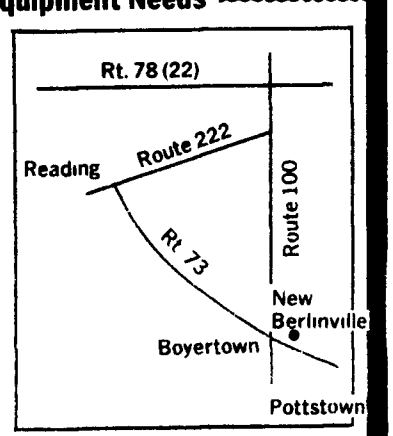
- Myers Forage Wagons
- Hedlund Martin
- Madison Silos
- Ag Chem Sprayers & Parts
- Northwestern Skid Loaders
- Woods Mowers, Blades & Backhoes
- Trailblazer Foam Markers
- Cub Cadet Lawn Equip



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One Mile North of Boyertown In New Berlinville, PA. 19545
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Daily 7-5:30; Sat. 7-3

1 FARM EQUIPMENT

USED TRACTORS

JD 7020; JD 4430; JD 8630
JD 4010; JD 3010
IH 1586, $12,500, cab, duals
IH 4586, $11,500, 4 WD, duals
IH 4786, $22,500, 4 WD, duals

COMBINES

JD 8820, 4 WD, 1981, $55,000, 222 flex
JD 8820, 4 WD, 1980, $47,000, 220 flex
JD 8820, 4 WD, 1979, $40,000, 222 flex
JD 7720, 4 WD, 1983, $55,000, 220 flex
AC G, diesel, both heads, 1971, $5,500
MF 750 1976, hydro, 18', $10,000
MF 750 1976, hydro, $6,000
Set of tracks to fit a JD 6600 Combine, $2,500

IMPLEMENTS

New Holland 520 spreader, loaded, used 2 days, $4,900
IH 5 shank V-ripper, gauge wheels, $1,700
Miland 10'6" offset disk, like new, $3,900
2 JD 1450, 6-16" plows, $2,500 each
JD 245, 7-16" on land, $2,500
A-C 8-16" plow on land, $2,500
IH 490, 30' disk, good, $7,500

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Quality Is Our Game - Service Is Our Aim

TO ALL OF YOU FROM ALL OF US. Wishing You Happy Holidays and a Prosperous New Year

Special Sale Offer
Demonstrator Integrator I
(Coulter Chisel Plow Combination)
7 Shank Spring Cushion

List Price	$6200
Factory Rebate	900
G&D Disc	900
Sale Price	$4,400

TRACTORS

JD 2 SOLD Gas
JD 4030 w/cab
JD 1530

TILLAGE EQUIPMENT

New 18 Ft. Field Cultivator
New 12 Ft. Disk
New 18 Ft. Wing Disk
New Coulter Type Chisel Plow, 7 Tooth
New Tillage Saver
JD 32 RW Disk
JD 12 Ft. Spring Tooth Harrow
1 Used JD 310 Disk, Black Frame

HAY EQUIPMENT

8,10 & 12 Ton Zimmerman Running Gears
Zimmerman Hay Tedders
2 Used Dion Self Unloading Wagons
2 Use SOLD Wagons
1 Used Bale Wagon
New Bale Wagons
New Self Unloading Wagons
(Rugged Construction - Reasonably Priced)

MISCELLANEOUS

6 Ft. 3 Pt. Blade
2 1 Sets 18 4x38 Duals, 9 Bolt Hubs To Fit JD 4430

We Are A Factory Authorized Kewanee Farm Equipment Dealer

RD 5 Penryn Rd., Manheim, Pa
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Specializing in John Deere but will also Rebuild Other Makes
Reasonable Rates - All Work Guaranteed

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★ CASE UTILITY ★ GEHL ★ VICON ★ WFE
★ KUBOTA ★ HESSTON ★ SAME

TRACTORS:
Case 1190
Case 800
Case David Brown 1200
SAME Leopard 85, 4WD, with Cab Enclosure
Case 300 Wide Front, Gas
Kubota L-1500 & L-2000, Both Completely Reconditioned

SKID LOADERS
Case 1845B Skid Loader Ex. Cond., 1984 Model
Gehl 4500 & 4600
Mighty Mac Skid Loader
IH 4140 Skid Loader
IH 3300 Skid Loader
IH 3200, Very Reasonably Priced!
Case 1830 Skid Loader
Case 1845 Skid Loader

MANURE SPREADERS
Hesston 1510 Tank Spreader
Knight 250 Box Spreader

BACKHOES
Case 580C Backhoe w/Roll Frame

DISKS
8 Ft. 3 Pt. Pittsburg
18 Ft. Oliver
12 Ft. Massey Ferguson

HARVESTERS
IH 550
Case 300's—Several In Stock
(3) Gehl 99 Blowers
Gehl CB400 Harvester
(2) Gehl CB600 Harvesters with Assorted 2-Row Heads And Pickups
NH 38 Flail Chopper
NI 329 Super Sheller
MF 260 Harvester
Hesston 3-Row Narrow Cornhead
IH 205 Combine

LAWN & GARDEN
IH Cub in excellent condition with 1 bottom plow, set of cultivators & snow plow. New Rubber
Cub Cadet 125
Case 444 w/44" Deck & Snow Blade
Case 220 w/38" Mower And Snow Blower
Case 220 w/38" Mower
Case 646 w/Loader—Exc. Cond.
Gravely 812 w/Mower, Rototiller, Snow Blower & Blade

STOUFFER BROS. INC.
1066 Lincoln Way West, Chambersburg, Pa
Phone 717-263-8424

JD 4020 Diesel, Power Shift, good paint..... $4,200
JD 3010 Gas, SR $2,500
MF 65 Gas, PS, 3 Pt..... $2,400
JD 2020 utility, gas, high/low $3,800
NH 358 grinder mixer, like new..... $6,100

HORNING'S FARM MACHINERY
717-733-7408

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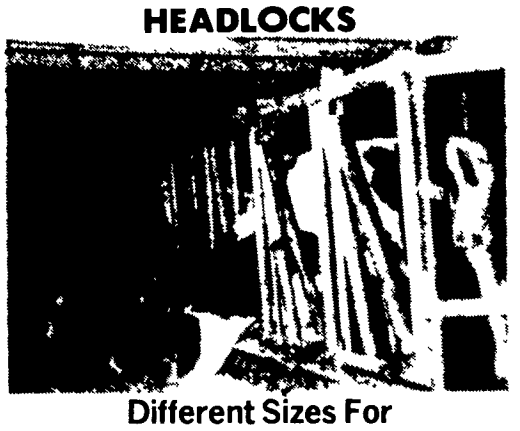

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Custom Built Cow Trough Dividers.
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Also Rack Wagons & Trailer Feeder Wagons

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RD 1 - Honey Brook, PA 19344
215-273-3050 or 215-273-3603

COMBINES
JD 1975, 7700 w/215 Flex Head
JD 6620 w/643 Corn Head & 216 Flex Platform
JD 7700 Hydro, Rotary Screen, 15 ft. Platform, 1971
JD 7720, 1400 hrs.
JD 15' Rigid Platform
JD 643 CH 6 R Narrow Old Style
JD 216 Flex Head

TRACTORS
JD 4020 Dsl., WF
IH Farmall H w/Loader
Deutz DX110, Cab, Air, Sharp, 1980
Ford 8N

TILLAGE
IH 18½' Field Cultivator

PLANTING EQUIP.
AC 330 4 R Planter
JD 1240 4 R Plate Planter
JD 1240 4 R Pla SOLD w/Fert Planter
JD 1440 4 R No-Till Planter
JD 7000, 4R
JD 7000, 8RN No-Till Liq. Fert.

MISC.
JD 6½ Ft Rear Blade
JD 346 Wire Tie Baler
IH 435 Baler
NH 488 Mower Conditioner
Woods 214 Mower

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New Surplus Power Transmission Products
150 Browning 4Q3V60 Pulley 4 Groove ..... $4.00 Each
6 Browning 6Q3V60 Pulley 6 Groove ..... $6.00 Each
35 Browning 2BK47H Pulley 2 Groove..... $7.50 Each
40 Browning AS44-½" Pulley 1 Groove ..... $3.00 Each
40 Browning H Bushing ¾" and 7/8" ..... $1.75 Each
12 Browning PB-250x¾" Pillow Block ..... $7.50 Each
10 SSFT-20R-1¼" Flange Bearing ..... $5.00 Each
8 SSFT-16-1" Flange Bearing ..... $5.00 Each

New Surplus Steel Tubing - Rust Free
120 Pcs. ¾" O.D. x18 ga. wall x 18' Long Round ..... .06 Ft.
440 Pcs. 3x3 Sq.x3/16 Wall x 27" Long..... .75 Each
862 Pcs. 1"O.D. x 15 ga. Wall Round x 31 5/16" Long ..... .10 Each
104 Pcs. 3½" O.D. x 3/8" Wall Seamless x 8¼" .... $1.50 Each
3 Pcs. 3½" O.D. x 3/8" Wall Seamless x 20' ..... $3.50 Ft.

Aluminum Tubing
12 Pcs. 3½" O.D. x 1/8" Wall x 20' Long ..... $1.25 Ft.

Hydraulic Motors
6 White RSAC1 - Same As Charlynn M-203 ..... $65.00 Each
1 White - RE864 - High Torque - Low Speed..... $125.00
1 Commercial Pump, 2000 RPM, 2000 PSI, 40 GPM... $125.00

Machinery
1 - Jet 1550 Colchester Type Engine Lathe With 3 Chucks, Faceplate, Steady Rest, Coolant, 4 Way Tool Post, Aloris Toolpost and Holders. 2 1/8" Spindle Hole, Geared Head 20-1800 RPM (excellent)..... $5,500.00
1 - Forklift Sideshift Unit (Complete) Fits 16" Carriage $275.00
4 Pierce All HD 3½ Unitized Holders 12" Throat . $150.00 Each
1 - Acorn 5'x5' Welding Platen $125.00
1 - 2000# Platform Scale $250.00
Will Consider All Offers On Any Of Above

We Offer
Custom Shearing To 3/8"x10'
Custom Forming To ¼"x12'
Custom Punching To 120 Ton
Custom Welding, Fabrication & Machining

In Stock For Sale
Steel Wheels To Fit Most Farm Equipment
6 Ton Wagon Running Gears
Flat Bed Wagons - Stock And Made To Order
Heavy Auto Turn Front Ends For Choppers, Etc.
4-5-6-8 Hole Hubs, Spindles, Center Discs
N.H. Baler Engines, Mounts, Rear Hitches & Chutes

Farm-Bilt Machine
68 South Weavertown Rd.
Ronks, Pa. 17572

USED EQUIPMENT

TRACTORS
IH 1466 w/Cab & Duals
IH 806 Gas, needs work
IH 784
IH 706
IH 560 G
IH 460 Utility Gas
IH 674 D
IH 656 D
IH 560 D
IH 544 U
IH B414 D
IH BN
IH H
IH M
MH 44 w/Corn Picker, very nice
(2) MF 1105
MF 2675
MF 1080
JD 4010 D
JD 4620
Case 1070
Oliver 770 D
(2) Cub
Ford 901 w/2R Picker
Ford Jubilee
Farmall A
Case 730 Dsl., 3 pt.
David Brown 990 w/Loader
Farmall Super M

CORN PLANTERS
IH 800, 4R | IH 295
IH 800, 6R | IH 449
IH 400, 6RN No-till, Liq.
IH 400, 6RW, No-till, Dry
IH 400, 4RN w/ No-till, Dry
JD 7000, 6RN No-till
JD 1440, 4RW No-till
JD 494A
AC 600, 4RN No-till
White 5400, 4R
White 543, 4RN No-till
White 543, 4R Plate
IH 56

BALERS
NH 276 w/Thrower
IH 430 | JD 24T
IH 440 | IH 47
IH 37
Hesston 10 Stacker
MF #12 w/Thrower

COMBINES
IH 1460 | IH 82 Pull
IH 1440 | IH 303
IH 863, 6RN | IH 203
IH 844, 4RW | Case 600
IH 810-13 | IH 1460
IH 820-16 | IH 963, 6RN
IH 227, 2RN C.H.
IH 715
MF 82, very nice
MF 4RN & 4RW Corn Heads
JD 55 w/Cab, Sq. Back
JD 45 w/Cab, 10' Platform, 2R Corn Head
JD 334, 3RN Corn Head
JD 12' Platforms

HARROWS
IH 475, 12' | JD KBA 8
IH 401 12' | IH 9A 9'
IH 370 12' Disk | 9 Packer
BH 10' | IH 37, 8
JD 12 BWF | IH 47, 13
Niemeyer 3 pt 8' Power Harrow
Brillion 12 Field Cultivator
Miller 8' Disk

CORN PICKERS
NI 324, 2RW | NI #10, 1R
NI 323, 1R | NI 300, 2R
NI 314, Sheller Attachment

GRINDER MIXERS
OMC 117 | NH 357

FLAIL CHOPPERS
Gehl 7200 | Brady 722
Gehl 72 | Brady 121
IH 5 | Brady BP 80"
IH #8

MOWERS
IH 222
IH 100
NH 450
Woods 48" for MF 205
Bush Hog 60' 3 pt.

GRAIN DRILLS
IH 10, 16x7
IH 13x7, Steel Whls.
Tye 80 No-till
JD FB 13x7
JD 15x7
IH 13x7 Steel Wheel
Oliver 13x7

BLOWERS
Sprme 56 | Fox Table, PTO
IH 56 | Gehl 99
Dion #14 | Badger 54
Dion 60 | Badger 98
NH 30

HARVESTERS
IH 830 | 2RW Corn Head
IH 555 | 2RN Corn Head
Gehl 600 | Cutter Bar
Gehl 300 w/2RN
Papec 180 | Fox 3000
Fox 1000 | Fox 546
Fox 2000 | Fox FA
JD 34 Fg. w/1R C.H.
JD 2RW C.H.
JD 3300 Fg. w/2R C.H

LOADERS
NI 506
IH 2050A
KW for IH 284

MANURE SPREADERS
NI 212 | NI 354
NI 213 | NH 518
NI 214 | IH 550
NI 218 | Star 930
NI 224
Better Bilt 2600 Gal. Liq. Manure Tank
Clay 800 gal. Vacuum Tank
Farmhand Flail
MF Manure Spreader
NH 676 | Hawk Bilt 207
NH 676 S | HB 257
NH 790 | HB 357

SKID LOADERS
(2) Case 1830, very nice
Case 1816 B
OMC 345
OMC 440
IH 4130, 850 hrs.

WAGONS
Gehl 920, 16'
Gehl 910 Fg. Box
Gehl 710
Gehl 610, 14'
Grove 16'
Grove Rear Unloading Bale/Forage
Couhoun 620, 16'
IH 110
Turnco Gravity Box
Bale Wagons
JD 122

MISCELLANEOUS
Winpower 12T-2 Alternator
NI 109, 3 pt Fert. Spreader
IH 6' Blade
Ber-vac 51" 3 pt. Snow Blower
NI 36' Elevator
Mayrath 6" Transport Auger
Pequea Hay Tedder
Wic 7HP Bale Chopper

SPRAYERS
Walsh 200 gal.
Walsh 500 gal.
Walsh 300 gal.
KUKer 300 gal.
Walsh 165 gal. 3 pt.

PLOWS
IH 311 3x14
IH 55 Chisel Plow
IH 55, 10' Pull Chisel Plow
JD 345, 4x16
IH 550, 5x16
Ford 4x16
MF 3 pt. Chisel Plow
MF 880 5x16 Auto.
White 508 Plow, 4x16
BH 3 pt. 52" Tiller
IH 710, 3x16

NI UNI EQUIP
NI 838 Husking Bed
NI 841 Feeding House

702 D, ex	735, 3RN
760 Fg Harv	702 D
761 Hay PU	729 A Shel
767 Har	727 Husk
713 S Platform	766 PU
717 Combine	720, 2RW
710 Com	730, 4RW
844, 4RW	725, 3RN

NI 768, 3RW/N Corn Head

WINDROWERS
IH 1190
IH 990
IH 225
NI 290
AC 904
NH 1469 SP
NI 272, 7' Cutditioner
OMC 229
Gehl 108
Gehl 440
NI 270 Cutditioner
Hesston 1214 Swing Tongue

COMING IN...
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Case Vac Tractor

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235 Disk Harrow, 18'6", center fold, dura cush.
215 Disk Harrow, 12'10", dura cush.
215 Disk Harrow, 12'10", w/cushion gang att.
115 Disk Harrow, 11'5"
1000 Plow, 3-pt 2B14"
2800 Plow, Semi-mtd , 5B18" spring reset
970 Roller Harrow, 12'
940 "S" Tine Field Cult., 13' drawn
1010 Field Cult , 12½' integral
1010 Field Cult , 18½' drawn, horiz. fold

NEW MANURE HANDLING EQUIPMENT SPECIALS

JD 95 Rear Mtd. Blade, 9'
JD 115 Rear Mtd. Blade, 9'
JD Hyd Loaders, 148, 245, 260
JD 465 Flail Spreader, R H Delivery
JD 450 Hyd Push Spreader w/endgate
NI 351 Spreader w/sngl btr & hyd endgate

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New John Deere Row Crop- Sept 1 1987
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To April 1 1987

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Used May 1, 1987

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White 348 3 18 sp reset	#3657	$2195

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	Tag #	Sale Price
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IHC 3 pt 7 rigid stds	#3209	$ 895

DISK HARROWS

	Tag #	Sale Price
JD 315 12 10	#3506	$5500
Athens 131 tandem 28 bl	#3299	$1595

GRAIN DRILLS

	Tag #	Sale Price
JD 8300 18x7 sdo gsa	#2799	$2495
JD 8200 21x7 ddo gsa	#3362	$3750
JD FB157B sdo gsa	#3787	$ 695
JD FB 13x7 sdo gsa	#2683	$ 695

MISCELLANEOUS

	Tag #	Sale Price
JD 300 30 Ft Elevator	#3888	$1195
JD 307 3 pt rotary cutter	#3531	$ 295
JD P107 3 pt rotary cutter	#2372	$ 250
Friend 3 pt Sprayer 18	#2813	$ 695
Walsh trailer sprayer	#3554	$ 495
JD 78 3 pt rear blade 7	#3811	$ 450
JD 27 Flail Shredder 4 whls	#2028	$2995
JD Hood for 125 chuck wagon	#3167	$ 85
Pr 18 4 34 8P GY tires		$ 175
Second R C valve for JD 3020 dash mtd		$ 390

COMPACT UTILITY TRACTORS & EQUIP.

	Tag #	Sale Price
JD 950 2WD w/423 fr blade 7	#3871	$7500
JD 755 4WD turf tires	#3836	$8295
JD 365 front blade (fits 650)	#2187	$ 895
IHC Cub Low Boy 154 w/mid mower	#3204	$2500
York RS 5 rake w casters	#3849	$ 595
IMCO 5 rotary cutter 3 pt	#3571	$ 425

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	Tag #	Sale Price
JD 7000 6R Cons dry f , insect mon	#3476	$8995
JD 7000 6R Cons liq f insect, mon	#3386	$8995
JD 7000 6R Cons liq f insect mon	#3429	$7995
JD 7000 6R Reg dry f insect	#3199	$6595
JD 7000 6R Reg liq f insect, mon	#3433	$5995
JD 7000 4R Cons dry f insect mon	#3400	$8500
JD 1240 4R dry f insect	#3251	$1895
JD 1240 4R dry f insect	#2355	$1595
JD 1240 4R dry f insect	#2849	$1195
JD 1240 4R dry f insect	#2543	$ 895
JD 494 4R dry f	#3619	$ 200
IHC 56 4R	#3570	$ 200

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	Tag #	Sale Price
NI 324 2RW 329 Sheller	#2430	$3,995
NI 324 2RW w/8 roll Husk	#3823	$3,450

USED HAY EQUIPMENT

	Tag #	Sale Price
JD 346 Baler 30 Ejector	#3100	$3,950
JD 346 Baler 30 Ejector	#3719	$5,295
JD 530 Round Baler	#3825	$8,150
JD 346 Baler 30 Ejector	#3677	$5,295
JD 336 Baler Wgn Hitch	#3684	$2,795
JD 336 Baler 30 Ejector	#3244	$4,995
NH 270 Cut/Ditioner	#2965	$1,595
JD 12 14 Mower Cond	#1507	$ 995

USED COMBINES

	Tag #	Sale Price
JD 6620 SH Cab A H Stw Spdr w/215 Flex Plat w/643 SH Corn Head	#3315 #3317 #3319	$59,000
JD 4420 Cab A/H Stw Spdr w/213 Flex Plat	#2304 #2310	$25,000
JD 7700 Cab A/H AHHC	#2721	$15,500
JD 6600 SH Cab A/H 643 SH Corn Head	#3753 #3754	$23,000
JD 6600 SH Cab A/H w/215 Flex Plat w/643 SH Corn Head	#2918 #2923 #2925	$27,900
JD 6600, Cab A/H AHHC w/213 Flex Plat	#3166 #3193	$21,900
JD 213 Flex Platform	#3828	$4,450
MF 300 Cab A w/13 ft Platform w 3R30 Corn Head	#2862 #2883 #3058	$6,500
NI 702D Uni Cab w/710 Combine 13 Plat	#1343	$4,500
AC Gleaner F w 13 Plat w/430 Corn Head	#3686	$13,950

USED FORAGE HARVESTERS & EQUIPMENT

	Tag #	Sale Price
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JD 5440 SP Cab Power Whl Dr w/3R 30 RC	#3771 #3774	$39,950
JD 5400 SP Cab Power wh dr	#2840	$29,500
JD 38 PT w/5' Hay P Up	#3288	$1,995
JD 3R 30 Row Crop	#3147	$1,995
JD 3R 30 ' Row Crop	#2312	$1,795
JD 3R 38 Row Crop	#3108	$995
JD 3R 38 Row Crop (SP)	#1431	$1,095
NH 890 PT Harvester w/3RN RC & 6 Ft Hay PU	#3819	$4,295
JD 716 Hi Side 3B Roof Reconditioned	#3755	$5,995
JD 716 Hi Side 3B Roof Reconditioned	#3756	$5,995
JD 216 Wagon Hi Side 3rd B Roof 1065 Gear	#3769	$2,350
Grove Wagon 2 Btr	#3796	$1 495
Badger Forage Wagon w/Roof Reconditioned	#3815	$5,500
Badger Forage Wagon w Roof Reconditioned	#3816	$5 500
Badger Forage Wagon w Roof Reconditioned	#3817	$5 500

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	Tag #	Sale Price
NH 367 Tank Spreader	#2512	$1,495
IHC 575 w Hyd End Gate	#3830	$3 950

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JD 3010 Dsl S/R ROM	#2997	$ 5 500
JD 2510 Gas S R ROM	#2257	$ 4 350
JD 2030 HU Dsl	#3262	$ 9,550
JD 40T w Cult	#3457	$ 1 595
IHC 706 Dsl	#3451	$ 6,500
JD 4240 Q'R SGB	#3705	$16,500
JD 4630 S R	#3712	$9,950
JD 4430 QR SGB	#3759	$18,500
JD 4030 S/R Dual RC	#3748	$12,500
JD 3020 Gas S R	#3267	$5,000
JD 3020 Gas S/R WFE w/Allied Hyd Loader	#3654 #3655	$7,995
JD 3020 Dsl S R WFE	#3765	$6,500
JD 3020 Gas S/R	#3709	$5,995
JD 2020 RU Gas w/47 Hyd Loader	#3695 #3696	$6,995
JDA w/2 Row Cult	#3752	$1,195
JD B w/2 Row Cult	#3716	$1,195
Oliver 1650 Gas	$2595	$ 4,500
Ford 600 w 3 pt	#2464	$2,500
Farmall Super A w Cult	#3431	$2,450
AC 8050 MFWD Cab P S	#3789	$27,500
IHC 706 Dsl	#3451	$6 500
Deutz 6006 Dsl	#3863	$ 3 750

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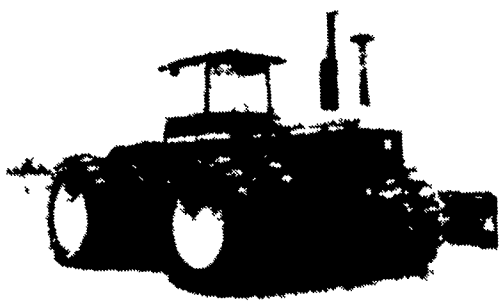

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UB0090	NH 1495 (Gas) Planetary Dr w/Partial Cab	10 900 00
UB0128	NH 1495 (Gas) Planetary Dr w/Partial Cab	8 995 00
UB0083	NH 1469 (Ford Gas) 9 Cut w/Partial Cab	4 495 00
	JD 830 (Gas) 12 Cut No Cab	1 995 00
	Pull Type Haybines	
UB0034	NH 495 12 Haybine w/Lat Transport	3 995 00
UB0119	NH 495 12' Haybine w/Lat Transport (As is)	2 295 00
UB0013	NH 48 SOLD ybine (As is)	2 495 00
UB0072	NH 48 SOLD ybine (As is)	2 295 00
UB0110	NH 489 9' Haybine (As is)	2 995 00
UB0114	NH 479 9 Haybine	2 495 00
UB0134	NH 479 9' Haybine	2 495 00
UB0140	NH 479 9 Haybine (As is)	1 895 00
UB0067	Hesston 1010 Hydro Swing 10	2 295 00
UB0035	Hesston PT 10 9 Haybine	1 495 00
	Balers	
UB0118	NH 855 Round Baler w/Auto Wrap	8 495 00
UB0019	NH 320 Baler w/#70 Thrower	5 895 00
UB0131	NH 320 Baler w/#70 Thrower	5 495 00
	NH #70 Thrower (Fits 320 Baler)	1 295 00
UB0139	NH 276 Baler w/#58 Thrower (As Is)	2 695 00
UB0127	NH 282 Baler w/#62 Thrower (As Is)	1 995 00
	Rakes	
UB0141	NH 256 SOLD w/Dolly Wheels	1 395 00
UB0133	IH 35 Rake	1 095 00
UB0132	Vicon 3 Pt 4 Whl Rake	395 00
	Uni Equipment	
UA0019	709 Uni Tractor w/Rear Whl Assist & Wgt	17 900 00
UA0053	705 Uni Tractor w/767 Super Chopper 766 Hay Pickup & 763 3 Row Head	11 900 00
UA0012	760 Uni Harvester (As is)	395 00
	2 766 Uni Hay Pickup (As is)	495 00
	2 762 Uni 2 Row Head (38") As is	595 00
UB0055	741 Feeder House (As is)	1 195 00
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UB0092	NH 892 Harvester w/New Knives	5 995 00
UA0063	NH 770 Harvester	2,295 00
UB0143	NH S717 Harvester	1 295 00
UB0120	IH 830 Harvester w/Hay Pickup & 2 Row Head (30") As is	2 495 00
UB0136	IH 830 Harvester w/Hay Pickup & 2 Row Head 30' Also Has New Knives to be Put in (As is)	2 495 00
UB0048	NH 717 Harvester (As is)	295 00
UB0093	NH 880W Hay Pickup Head	995 00
UB0059	NH 880 N 2 SOLD Corn Head (30")	1 195 00
UA0040	NH 880 R 2 2 Row Corn Head (38)	795 00
UA0064	NH 717 W Hay Pickup Head	695 00
UA0065	NH 717 R 2 2 Row Corn Head (38')	695 00
UB0144	NH 717 R 2 2 Row Corn Head (38)	695 00
UB0135A	JD 2 Row Corn Head (30)	995 00
UB0135D	JD Hay Pickup Head	995 00
UB0135C	JD 1 Row Corn Head	295 00
UA0030	NH 741 1 Row Corn Head	295 00
	Misc.	
UA0026	Bear Cat 11 Packer	495 00
UA0050	IH 56 4 Row Corn Planter (38)	1 295 00
UA0052	IH 55 4 Row Corn Planter (38)	1 195 00
UA0059	MH 35 Combine	795 00
UA0067	Farmec Gravity Bin w/Gear	395 00
UB0106	M&W 12 Field Cultivator	1 295 00
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UC0044	NI 213 Manure Spreader w/ 3 Beater Reconditioned	1 895 00
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UC0029	NH 516 M SOLD Spreader w 3 Beater	400 00

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Ford 4000 SU, Gas
Ford 4100
Ford 4110
Ford 4600
(2) Ford 5000
Ford 6600, 4WD
Ford 6610
Ford 7000 DP
Ford 7700 w/cab & DP
Ford TW15 w/cab & air
Ford TW20, cab & air
JD 1630
(4) JD 2130
JD 3120
JD 3130
(2) JD 4040, 2WD
(2) JD 4240, 2WD
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MF 285
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IH 464 G	$5,250
Farmall 460	$2,250
Yanmar 187 w/RM500 Mower	$7,500

TILLAGE

AC 4 Row NoTill Planter	$2,250
IH 56 Planter	$1,250
JD Pull Plow	$250
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Used Grimm Tedder	$1,250
IH 540 Spread SOLD	$1,200
NH 320 Baler & Kicker	$8,250
IH 550 Spreader	$1,000
NH 519 Spreader	$1,000
NH 27 Blower	$975
AC Blower	$500
NI 319 Picker To Fit 656	$900
IH 800 Cyclo Planter, 4 Row	$8,500
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JD 310 TLB
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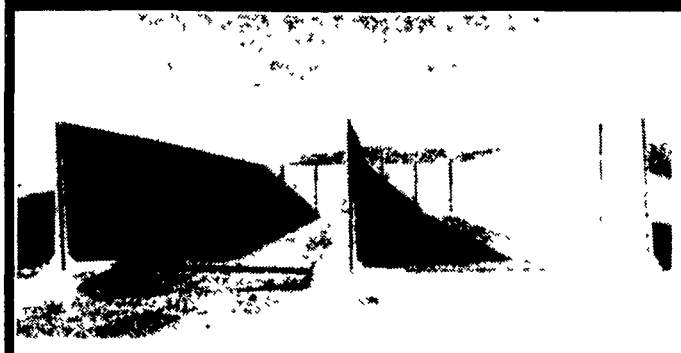

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- Adaptable To Headgates Or Self-Feeders.
- Very Strong
- Can Be Used For Retaining Walls.

- Manure Storage Systems For The Small Herd - or The 400 Cow Herds And Larger.
- Systems Adaptable To Any Type Equipment
- SCS Approved

"MANURE STORAGE SYSTEMS"

- Do It With Concrete -

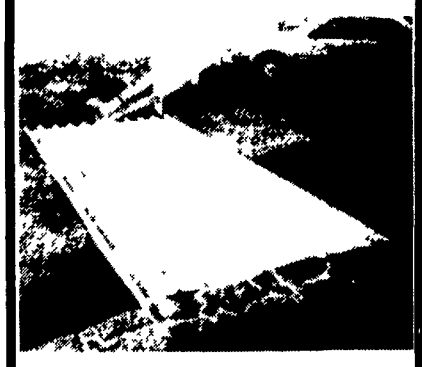
- Pre-Cast Concrete panels Delivered And Set On Your Prepared Site.
- Circular Tanks Poured-In-Place Above Ground - In Ground - Or Uneven Backfill.

PRE-CAST CATTLEGUARDS

TWO SIZES TO MEET YOUR NEEDS: 12' & 16'

PUT AN END TO THAT PESKY CHORE OF OPENING & CLOSING GATES!

Delivered & Set In Your Roadway



CONVENTIONAL TOP-UNLOADING SILOS

"YOU'LL APPRECIATE THE QUALITY OF A SOLLENBERGER SILO FOR MANY YEARS TO COME."

- Solid 6" Poured Concrete Walls
- Horizontal and Vertical Reinforcing Steel (Exceeds ISA Standards)
- Concrete Chute
- Redwood Doors
- Fill Pipe
- Outside Galvanized Ladder With Safety Cage
- Many Extras To Reduce Maintenance Costs For Many Years.

Stop by our booth at the Pennsylvania Farm Show, January 11-16, 1987. Bring your check book to make a down payment on your Sollenberger silo. This is the time to save money by taking advantage of our early order discounts.

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- ✓ Sure-Seal Filling System Opens And Closes From The Ground -
- ✓ Safety Rail Around The Poured Concrete Roof.
- ✓ Enclosed Gooseneck
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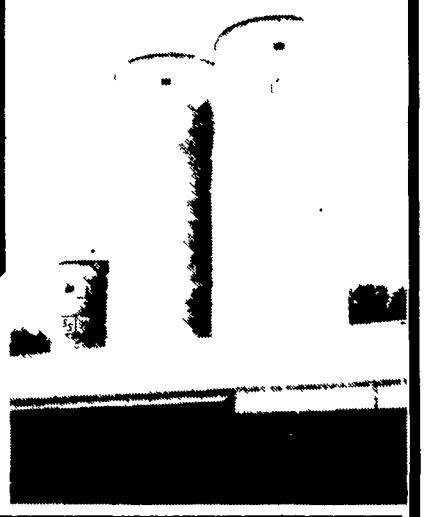

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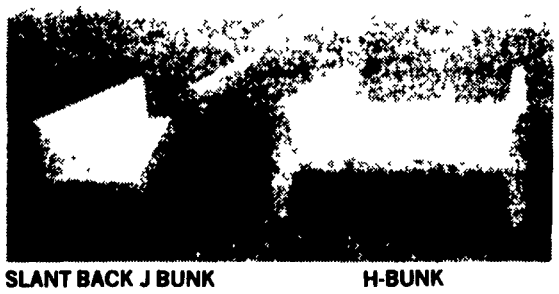
You Spend A Lot Of Time And Money Producing And Storing Your Good Feed Crops. Don't Just "Get By" With A Feeding Bunk That Wastes Feed Or Is About Worn Out. Your Best Choice For A Feed Bunk Is Pre-Cast Concrete.



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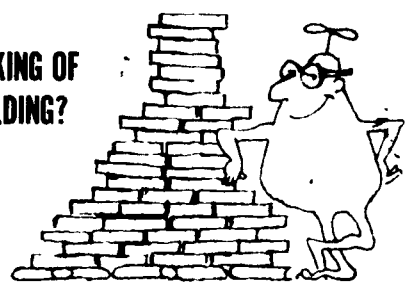

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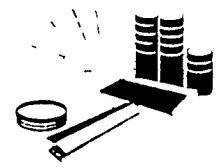

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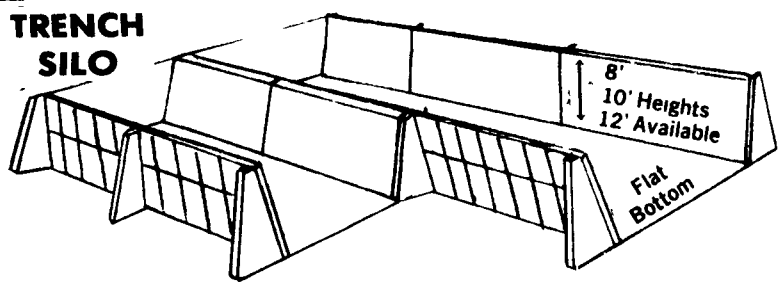

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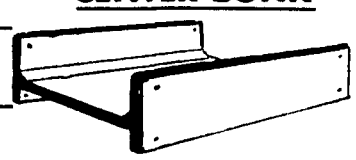

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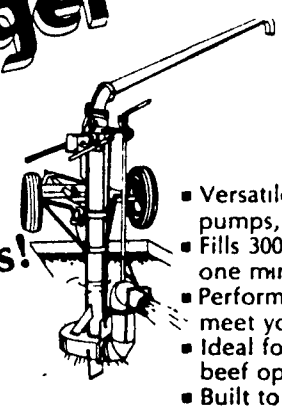

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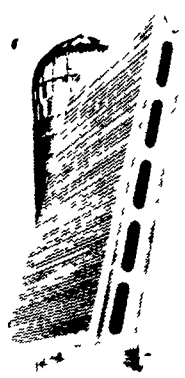

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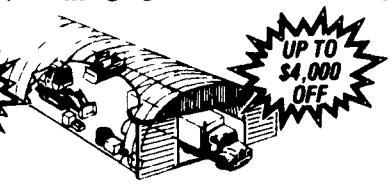

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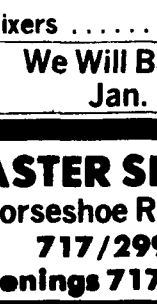

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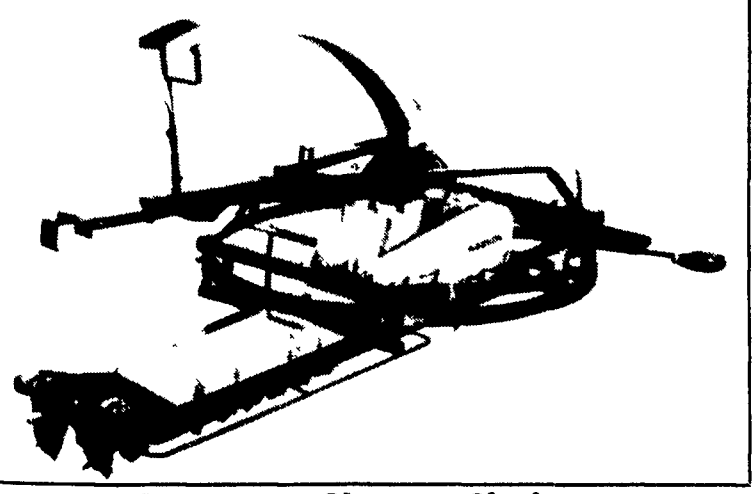
BLOW THE COMPETITION RIGHT OUT OF THE SILO WITH A HANSON SUPREME UNLOADER



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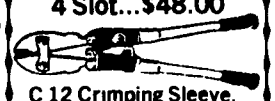

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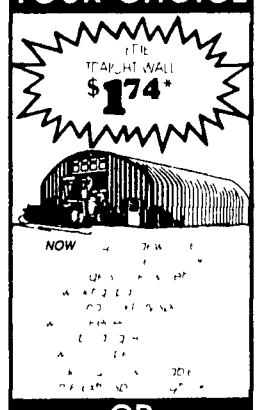

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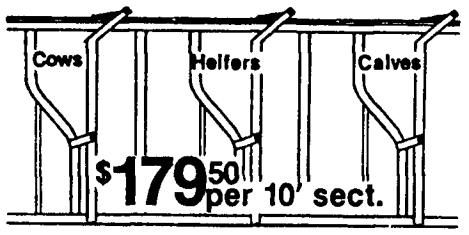

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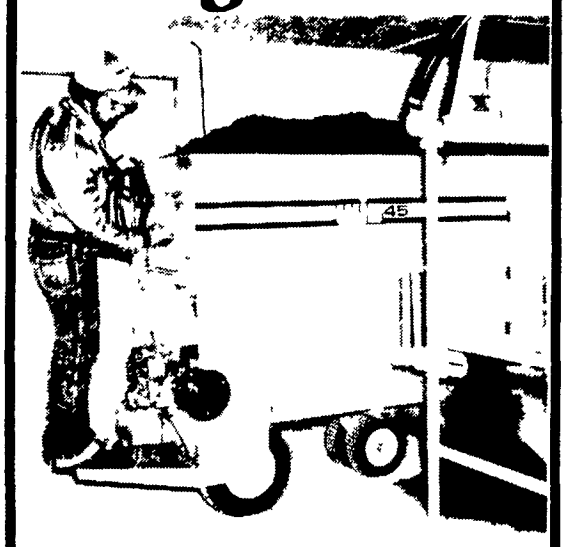

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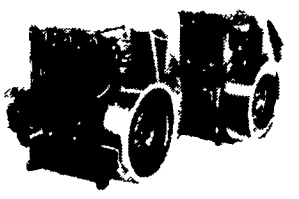

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FARM ITEMS

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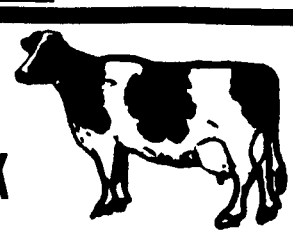

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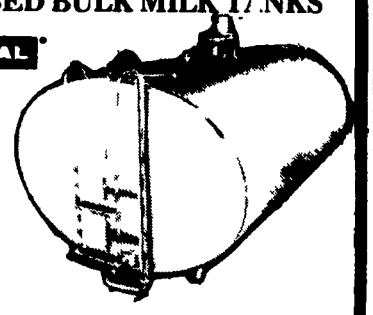

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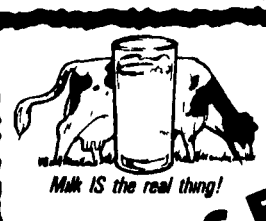

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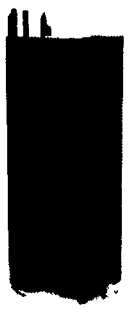
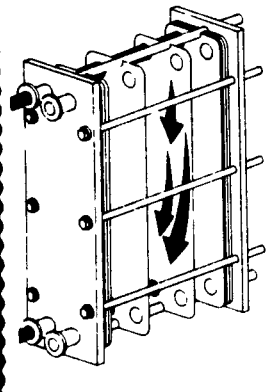


MUELLER Accu-Therm PLATE HEAT EXCHANGER



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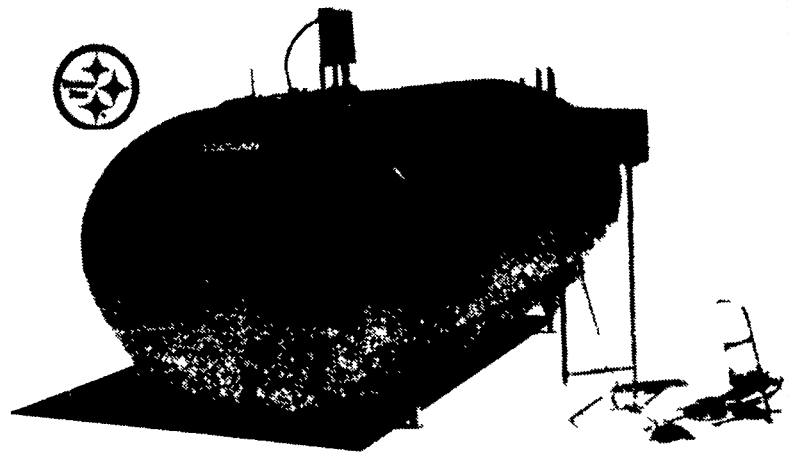

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Dairy Products of the Month

"PRIME TIME" DRY COW PROGRAMS.

"Prime Time".... the 60 most important days of a cow's life that determine how your cow performs for the next 305 days. Your local Purina Mills Dealer has 3 different types of "Prime Time" programs to fit your different dry cow feeding needs!

1. Freshstart D&H Completes and Concentrates

Our premium products for dry cows that supplement forages and grains to meet the critical nutritional requirements of the dry cow.

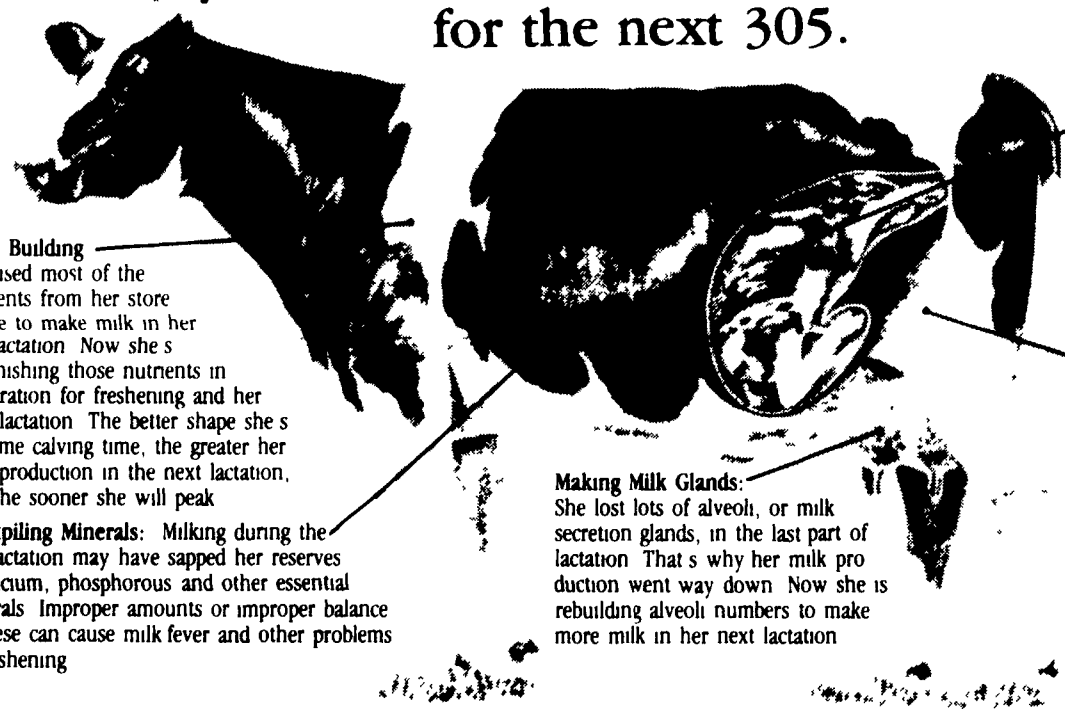
2. Easy Care Block

Vitamin-mineral fortified, 22% protein, molasses-based block for free-choice feeding to dry cows; weatherproof; convenient; replaces grain-portion of ration--must full feed forages.

3. Purina Dairy Plus and Purina Dairy Minerals

Low-cost, vitamin-mineral supplementation for high quality forages and well-conditioned cows.

60 days that determine how your cow performs for the next 305.


Body Building
She used most of the nutrients from her store house to make milk in her last lactation Now she s replenishing those nutrients in preparation for freshening and her next lactation The better shape she s in come calving time, the greater her milk production in the next lactation, and the sooner she will peak
Stockpiling Minerals: Milking during the last lactation may have sapped her reserves of calcium, phosphorous and other essential minerals Improper amounts or improper balance of these can cause milk fever and other problems at freshening
Making Milk Glands:
She lost lots of alveoli, or milk secretion glands, in the last part of lactation That s why her milk pro duction went way down Now she is rebuilding alveoli numbers to make more milk in her next lactation
Making a Baby
The calf triples in size these 60 days She'll be born small and weak if Mom's in poor shape at calving time That's hard on everybody
Getting in Shape (without getting fat):
She lost up to 350 pounds in the first four months of lacta tion She's put some of it back on already To keep milk production up in the next lacta tion, she must restore her body condition, without getting too fat

(To improve the graphic layout the fetus is shown on the cow's left instead of right side.)

These "Prime Time" Programs, when nutritionally-balanced by your Purina Farm Consultant, can prevent calving problems such as milk fever, retained placentas, and ketosis as well as increase that cow's performance this lactation.

If you don't have a dry cow program or if your present one is not performing, contact your local Purina Mills Dealer for a "Prime Time" dry cow program that fits your needs.

See Your Purina Dealer Today!

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